

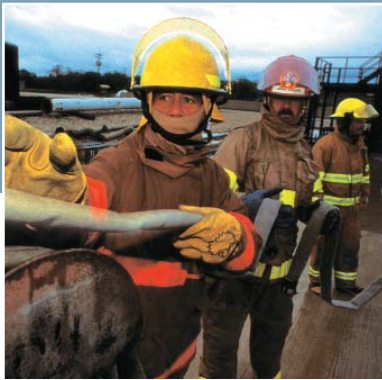
Imperial Hose Product Guide



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Imperial Hose, Quality Products That Perform



MUNICIPAL



INDUSTRIAL



FORESTRY

Imperial, part of the Kidde Fire Fighting organization, is a quality brand of woven jacket and rubber fire and industrial hose and hose products. Products manufactured from high quality raw materials to exacting standards make Imperial hose a durable and reliable performer, offering a complete range of products for general purpose use, industrial, municipal and forestry fire fighting.

PERM-I-DENT II™ Hose Coating

Quality you can count on

All Imperial woven jacket products are available with our unique, innovative, abrasion resistant coating. PERM-I-DENT II completely encapsulates the fibers of our jacket, providing a long lasting, vibrant color shield against the rough treatment that fire hose is exposed to every day.

PERM-I-DENT II displays extreme resistance to bacterial and mildew growth as well.

PERM-I-DENT II is offered in six vibrant NFPA recommended colors; red, yellow, orange, blue, green and tan.

When subjected to the Mil-H-24606B Taber Abrader test, PERM-I-DENT II surpassed the minimum requirement by 6 times compared to other hose manufacturers. This coating is available on Imperial 70D6 II, 70S6, 70S5, 70S3, 70D8 II, 70D8, and PolyLite.

Specify PERM-I-DENT II to ensure that you get the very best abrasion resistant protection.



Industrial Fire and General Purpose Hose

Imperial 70S3 Polyester Single Jacket Rubber Lined Fire Hose

Imperial 70S3											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter
	psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m) lbs. kg	50' (15m) inch mm	
1-1/2 38	150	1050	300	2100	450	3150	1-13/16	46	11	5.0	15 381
2-1/2 65	150	1050	300	2100	450	3150	2-7/8	73	22	9.9	16 406

A single jacket, polyester industrial fire hose with an ozone-resistant EPDM rubber lining. The spun polyester yarn in the jacket offers superior strength and wear characteristics. The polyester construction is mildew resistant. The standard color for Imperial 70S3 Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

Imperial 70S5 Polyester Single Jacket Rubber Lined Fire Hose

Imperial 70S5											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter
	psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m) lbs. kg	50' (15m) inch mm	
1-1/2 38	250	1750	500	3500	750	5250	1-13/16	46	11	5.0	15 381
2-1/2 65	250	1750	500	3500	750	5250	2-7/8	73	22	9.9	16 406

A single jacket, polyester industrial fire hose with an ozone-resistant EPDM rubber lining. The spun polyester yarn in the jacket offers superior strength and wear characteristics. The polyester construction is mildew resistant. The standard color for Imperial 70S5 Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

Imperial 70S6 Polyester Single Jacket Rubber Lined Fire Hose

Imperial 70S6											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter
	psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m) lbs. kg	50' (15m) inch mm	
1-1/2 38	300	2100	600	4200	900	6300	1-13/16	46	11	5.0	15 381
2-1/2 65	300	2100	600	4200	900	6300	2-7/8	73	22	9.9	16 406

A single jacket, polyester industrial fire hose with an ozone-resistant EPDM rubber lining. The spun polyester yarn in the jacket offers superior strength and wear characteristics. Designed for interior or exterior fire protection, Imperial 70S6 is NFPA compliant as an attack hose. The polyester construction is mildew resistant. The standard color for Imperial 70S6 Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

Imperial 70D6 II Polyester Double Jacket Rubber Lined Fire Hose



Imperial 70D6 II											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter
	psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m) lbs. kg	50' (15m) inch mm	
1-1/2 38	300	2100	600	4200	900	6300	1-15/16	49	17	7.7	18 457
1-3/4 45	300	2100	600	4200	900	6300	2-1/8	54	19	8.6	19 483
2-1/2 65	300	2100	600	4200	900	6300	3	76	31	14.0	21 533
3 75	300	2100	600	4200	900	6300	3-9/16	90	38	17.2	22 559

This heavy duty double jacket industrial fire hose is designed for daily use where higher pressure and additional abrasion resistance is required. Construction of 100% high tensile strength virgin polyester yarns, both warp and filler, provides extra durability. Hose comes standard with EPDM lining. The standard color for Imperial 70D6 II Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

* Weight is uncoupled



Imperial 662
Through-The-Weave
Industrial Fire Hose

Imperial 662														
Size	inch	mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter	
			psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m)	50' (15m)	lbs.	kg
1-1/2	38		250	1750	500	3500	750	5250	1-3/4	44	10	4.5	12	305
1-3/4	45		250	1750	500	3500	750	5250	2	51	14	6.3	14	356
2	50		250	1750	500	3500	750	5250	2-3/16	56	18	8.1	14	356
2-1/2	65		250	1750	500	3500	750	5250	2-3/4	70	19	8.6	14	356

Imperial 662 is a layflat, lightweight, flexible fire hose specifically designed for industrial fire protection. Imperial 662 features a unique through-the-weave, one piece construction that will not delaminate. The synthetic reinforcement is totally encased in a PVC nitrile rubber cover and lining which is resistant to fuels, oils, chemicals, abrasion, heat, mildew, rot, and ozone. The standard colors for Imperial 662 are red and yellow.

Imperial AG
Heavy Duty Rubber Covered
Industrial Discharge Hose

Imperial AG														
Size	inch	mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter	
			psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m)	50' (15m)	lbs.	kg
1-1/2	38		300	2100	600	4200	900	6300	1-13/16	45	16	7.2	15	381
2	50		300	2100	600	4200	900	6300	2-3/16	56	20	9.0	16	406
2-1/2	65		300	2100	600	4200	900	6300	2-7/8	73	25	11.3	17	432
3	75		300	2100	600	4200	900	6300	3-13/32	87	35	15.8	18	457
4	100		200	1400	400	2800	600	4200	4-5/16	110	40	18.0	19	483
6	150		200	1400	400	2800	600	4200	6-3/8	162	80	36.0	21	533

Imperial AG is a layflat, flexible water discharge hose with durability and abrasion resistance superior to conventional rubber hose. Imperial AG features a unique one piece, through-the-weave construction, and attains its exceptional working pressure from a synthetic woven textile. Its excellent durability is derived from a high-tensile rubber compound which completely encases the jacket. The standard color for Imperial AG is black.

Imperial 661
Lightweight Through-The-Weave
Washdown Hose

Imperial 661														
Size	inch	mm	Service		Pressure Proof		Burst		Bowl Size		Weight*		Coil Diameter	
			psi	kPa	psi	kPa	psi	kPa	inch	mm	50' (15m)	50' (15m)	lbs.	kg
1-1/2	38		225	1575	450	3150	750	5250	1-3/4	44	10	4.5	12	305
2	50		225	1575	450	3150	750	5250	2-3/16	56	15	6.8	13	330
2-1/2	65		225	1575	450	3150	750	5250	2-3/4	70	19	8.6	14	356

Imperial 661 is a layflat, lightweight, flexible maintenance hose with the durability and abrasion resistance of heavy duty rubber hose. Imperial 661 features a unique through-the-weave, one piece construction that will not delaminate. The synthetic reinforcement is totally encased in nitrile rubber cover and lining which is resistant to fuels, chemicals, and oil. Imperial 661 will not mildew or rot and is heat and ozone resistant. The standard color for Imperial 661 is blue.

* Weight is uncoupled

Municipal Fire and Forestry Hose

Imperial 40D8 Nylon Double Jacket Rubber Lined Fire Hose

Imperial 40D8											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight* 50' (15m)		Coil Diameter 50' (15m)
	psi	kPa	psi	kPa	psi	kPa	inch	mm	lbs.	kg	inch mm
1-1/2 38	400	2800	800	5600	1200	8400	1-15/16	49	14	6.3	18 457
1-3/4 45	400	2800	800	5600	1200	8400	2-1/8	54	18	8.1	18 457
2-1/2 65	400	2800	800	5600	1200	8400	3	76	25	11.3	20 508
3 75	400	2800	800	5600	1200	8400	3-9/16	90	35	15.8	21 533

Imperial 40D8 is constructed of high strength, low stretch entangled filament polyamide/Cordura fibers over a rubber tube. The standard colors are red, yellow, orange, blue, green and tan.

Imperial Paclite Nylon Double Jacket Urethane Lined Fire Hose

Imperial Paclite											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight* 50' (15m)		Coil Diameter 50' (15m)
	psi	kPa	psi	kPa	psi	kPa	inch	mm	lbs.	kg	inch mm
1-1/2 38	400	2800	800	5600	1200	8400	1-15/16	49	12	5.4	16 406
1-3/4 45	400	2800	800	5600	1200	8400	2-1/8	54	14	6.3	16 406
2-1/2 65	400	2800	800	5600	1200	8400	3	76	19	8.6	18 457
3 75	400	2800	800	5600	1200	8400	3-9/16	90	28	12.6	19 483

Imperial Paclite utilizes high strength, low stretch entangled filament polyamide/cordura fibers to produce a highly abrasion-resistant lightweight hose. The high-tech thermoplastic lining also contributes to reducing the overall weight of the hose. Imperial Paclite's lining has a tensile strength of over 5000 PSI (35,000 kPa). The standard colors are red, yellow, orange, blue, green, and tan.

Imperial 70D8 II Polyester Double Jacket Rubber Lined Fire Hose



Imperial 70D8 II											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight* 50' (15m)		Coil Diameter 50' (15m)
	psi	kPa	psi	kPa	psi	kPa	inch	mm	lbs.	kg	inch mm
1-1/2 38	400	2800	800	5600	1200	8400	1-15/16	49	17	7.7	18 457
1-3/4 45	400	2800	800	5600	1200	8400	2-1/8	54	19	8.6	19 483
2-1/2 65	400	2800	800	5600	1200	8400	3	76	31	14.0	21 533
3 75	400	2800	800	5600	1200	8400	3-9/16	90	38	17.2	22 559

Imperial 70D8 II is the ultimate in quality, municipal grade attack fire hose. This durable, double jacket hose is constructed of 100% high tensile strength polyester yarns, both warp and filler, and lined with a high-tech EPDM tube. Its engineered design guarantees minimum weight with maximum durability and flexibility with minimal friction loss. The standard color is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

Imperial 70D8 Polyester Double Jacket Rubber Lined Fire Hose

Imperial 70D8											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight* 50' (15m)		Coil Diameter 50' (15m)
	psi	kPa	psi	kPa	psi	kPa	inch	mm	lbs.	kg	inch mm
1-1/2 38	400	2800	800	5600	1200	8400	1-15/16	49	15	6.8	18 457
1-3/4 45	400	2800	800	5600	1200	8400	2-1/8	54	22	9.9	18 457
2-1/2 65	400	2800	800	5600	1200	8400	3	76	31	14.0	21 533
3 75	400	2800	800	5600	1200	8400	3-9/16	90	42	18.9	21 533

Imperial 70D8 is a high quality, municipal grade fire hose. This durable, double jacket hose is constructed of high tensile strength polyester yarns and lined with an EPDM tube. Its engineered design provides low weight with high durability and flexibility. The standard color for Imperial 70D8 Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

Imperial PolyLite Polyester Double Jacket Urethane Lined Fire Hose

Imperial PolyLite											
Size inch mm	Service		Pressure Proof		Burst		Bowl Size		Weight* 50' (15m)		Coil Diameter 50' (15m)
	psi	kPa	psi	kPa	psi	kPa	inch	mm	lbs.	kg	inch mm
1-1/2 38	400	2800	800	5600	1200	8400	1-15/16	49	12	5.4	16 406
1-3/4 45	400	2800	800	5600	1200	8400	2-1/8	54	14	6.3	16 406
2-1/2 65	400	2800	800	5600	1200	8400	3	76	25	11.3	19 483
3 75	400	2800	800	5600	1200	8400	3-9/16	90	31	14.0	19 483

Imperial PolyLite is a lightweight hose that utilizes a thin, high tensile thermoplastic lining to minimize weight. Both the inner and outer jackets are constructed of polyester warp yarns and filament polyester filler yarns. Imperial PolyLite's lining meets the NSF (National Sanitation Foundation) Standard 61 for potable water and has a tensile strength of over 5000 psi (35,000 kPa). Imperial PolyLite is U.L. Listed. The standard color for Imperial PolyLite Hose is white. Other colors available with our innovative PERM-I-DENT II abrasion resistant coatings are red, yellow, orange, blue, green and tan.

* Weight is uncoupled



Imperial Super Attack Lightweight Attack Hose

Imperial Super Attack													
Size inch mm	Service		Pressure				Bowl Size		Weight*		Coil Diameter		
	psi	kPa	psi	Proof kPa	Burst psi	kPa	inch	mm	50' (15m) lbs.	kg	50' (15m) inch mm		
1	25	300	2100	600	4200	900	6300	1-1/4	32	8	3.6	15	381
1-1/2	38	300	2100	600	4200	900	6300	1-13/16	46	16	7.3	16	406
1-3/4	45	300	2100	600	4200	900	6300	2-1/16	52	18	8.2	16	406
2	50	300	2100	600	4200	900	6300	2-5/16	59	20	9.1	17	432
2-1/2	65	300	2100	600	4200	900	6300	2-7/8	73	27	12.2	18	457
3	75	300	2100	600	4200	900	6300	3-13/32	87	33	15.0	18	457

Imperial Super Attack is a lightweight nitrile rubber through-the-weave construction fire hose. Its synthetic jacket is completely protected and locked in by a rubber cover and lining for extra toughness and durability. A heavy rib construction makes this hose resistant to cuts, punctures, impact and abrasion. Imperial Super Attack is a 600 psi (4200 kPa) fire hose that withstands temperatures from 1200°F to -37°F, (649°C to -38°C). Its light-weight design is virtually non-kinking and ideal for municipal fire protection. The standard colors for Imperial Super Attack are yellow and red, 1" size is available in yellow only.

Imperial Superlite High Rise Fire Hose

Imperial Superlite													
Size inch mm	Service		Pressure				Bowl Size		Weight*		Coil Diameter		
	psi	kPa	psi	Proof kPa	Burst psi	kPa	inch	mm	50' (15m) lbs.	kg	50' (15m) inch mm		
1-1/2	38	300	2100	600	4200	900	6300	1-3/4	44	11	5.0	13	330
2	50	300	2100	600	4200	900	6300	2-3/16	56	18	8.1	14	356
2-1/2	65	300	2100	600	4200	900	6300	2-3/4	70	20	9.0	15	381

Imperial Superlite is an ultra-lightweight, maneuverable, nitrile rubber hose designed specifically for fighting fires in high rise buildings. The lightweight through-the-weave construction is heat and puncture resistant, kink resistant and has low friction loss. The rubber cover prevents water from penetrating the reinforcement thus minimizing the weight of the hose when in service. The standard color for Imperial Superlite is blue.

Imperial Superflow Large Diameter Supply Hose

Imperial Superflow													
Size inch mm	Service		Pressure				Bowl Size		Weight*		Coil Diameter		
	psi	kPa	psi	Proof kPa	Burst psi	kPa	inch	mm	100' (30m) lbs.	kg	100' (30m) inch mm		
3	75	300	2100	600	4200	900	6300	3-13/32	87	70	31.5	25	635
4	100	225	1575	450	3150	675	4725	4-5/16	110	90	40.5	24	610
5	125	200	1400	400	2800	600	4200	5-3/8	137	109	49.1	27	686

Imperial Superflow is a tough large diameter hose with the ability to deliver more water at a lower cost. But it doesn't stop there. It is lightweight, compact and durable with a high resistance to oils, chemicals, ozone and heat. Its tough, high tensile cover and lining, permanently interlocked with the synthetic reinforcement, provide greater abrasion resistance while being snag-proof, kink resistant, and immune to mildew or rot. The standard color for Imperial Superflow is yellow.

Imperial F187 Polyester Single Jacket Plastic Lined Forestry Hose

Imperial F187													
Size inch mm	Service		Pressure				Bowl Size		Weight*		Coil Diameter		
	psi	kPa	psi	Proof kPa	Burst psi	kPa	inch	mm	100' (30m) lbs.	kg	100' (30m) inch mm		
1	25	300	2100	600	4200	900	6300	1-1/4	31.8	7.5	3.4	14	356
1-1/2	38	300	2100	600	4200	900	6300	1-3/4	45	13.5	6.1	16	406

A lightweight polyester jacket, polyurethane lined forestry fire hose. The standard color for Imperial F187 is white.

Imperial 629 Rubber Covered Through-The-Weave Forestry Hose

Imperial 629													
Size inch mm	Service		Pressure				Bowl Size		Weight*		Coil Diameter		
	psi	kPa	psi	Proof kPa	Burst psi	kPa	inch	mm	100' (30m) lbs.	kg	100' (30m) inch mm		
1	25	300	2100	600	4200	900	6300	1-1/4	31.8	10	4.5	16	406
1-1/2	38	300	2100	600	4200	900	6300	1-11/16	42.9	17	7.5	18	457

Nitrile rubber covered forestry hoses that require no washing or drying and are mildew resistant. A protective rubber covering resists burns and prevents damage of the textile reinforcement which may be caused by abrasion or hot embers. The standard color is high visibility yellow. There is a minimum order quantity for 1-1/2" size.

* Weight is uncoupled

COUPLINGS



The chart below indicates standard couplings offered for each type and size of Imperial hose products. Please consult your dealer for other available coupling options.

Hose Type Size	RL	NH			NPSH		Storz Expansion Ring	Storz Clamp
	Aluminum	RL Brass	PL Brass	RL Aluminum	RL Brass	PL Brass		
F187								
1"				X				
1-1/2"	X			X				
70S6, 70S5, and 70S3								
1-1/2"	X	X	X	X	X	X		
2-1/2"	X	X	X	X	X	X		
70D8 II, 70D8, POLYLITE, 40D8, PACLITE, and 70D6 II								
1-1/2"	X	X	X	X	X	X		
1-3/4"	X			X				
2-1/2"	X	X	X	X	X			
3"	X			X				
SUPERLITE, 661, 662								
1-1/2"	X	X	X	X	X	X		
1-3/4"	X			X				
2"	X							
2-1/2"	X	X		X				
3"	X			X				
SUPER ATTACK, 629, AG								
1"	X			X				
1-1/2"	X	X	X	X	X	X		
1-3/4"	X		X	X				
2"	X	X		X	X			
2-1/2"	X	X	X	X	X	X		
3"	X			X				
AG, SUPERFLOW								
3"	X						X	X
4"	X							X
5"	X						X	X
6"	X						X	X

Legend

NH = National Hose thread (formerly NST)
 NPSH = National Pipe Straight Hose thread (also known as IPT, Iron Pipe Thread)
 RL = Rocker Lug
 PL = Pin Lug

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Imperial recommends annual hydrostatic service testing of all hoses in accordance with NFPA 1962 guidelines.

