

HDPE Tubing



APPLICATIONS:

ENVIRONMENTAL

WATER FILTRATION DEVICES

MINING

LANDFILLS

CHEMICAL RESISTANT TRANSFER

WASTE WATER

AGRICULTURAL EQUIPMENT

HDPE Tubing

Excelon® HDPE Tubing is more rigid than LDPE and has stronger physical and chemical properties than LLDPE. We manufacture our high-density polyethylene tubing from 100% virgin material that meets FDA requirements. Our high-density polyethylene tubing is the economical alternative to Teflon.

HDPE Tubing can be used with compression fittings when needed. Today, HDPE is the chosen material used in the environmental industry due to its resistance to Volatile Organic Compounds and natural gases. Environmental companies commonly suggest HDPE tubing for PFAS sampling. Thermoplastic Processes stocks a variety of sizes in natural, yellow, blue, red, green, gray, orange, white, and black. Our opaque black HDPE tubing has UV properties, giving it excellent strength for outdoor applications. In addition to our stock sizes, we can also custom run any size from .040" - 2" OD. Pipe sizes, custom lengths, and laylines are available upon request.

PHYSICAL PROPERTIES

PROPERTIES	
Hardness, Shore D	65
Density	.953
Tensile Strength	4000 psi
Elongation at Break	600%
Brittle Temperature	-118°F

Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

HDPE SIZING CHART

ITEM NO.	ID	OD	WALL	LENGTH
HD-44-BK-100	0.170	0.250	0.040	100' COIL
HD-44-BK-500	0.170	0.250	0.040	500' SPOOL
HD-44-BK-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-BU-100	0.170	0.250	0.040	100' COIL
HD-44-BU-500	0.170	0.250	0.040	500' SPOOL
HD-44-BU-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-GN-100	0.170	0.250	0.040	100' COIL
HD-44-GN-500	0.170	0.250	0.040	500' SPOOL
HD-44-GN-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-GY-100	0.170	0.250	0.040	100' COIL
HD-44-GY-500	0.170	0.250	0.040	500' SPOOL
HD-44-GY-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-N-100	0.170	0.250	0.040	100' COIL
HD-44-N-500	0.170	0.250	0.040	500' SPOOL
HD-44-N-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-OR-100	0.170	0.250	0.040	100' COIL
HD-44-OR-500	0.170	0.250	0.040	500' SPOOL
HD-44-OR-1000	0.170	0.250	0.040	1000' SPOOL

Colors: Black (BK), Blue (BU), Green (GN), Gray (GY), Natural (N), Orange (OR), Red (RD), White (WH), Yellow (YW)

Samples available upon request.

Custom sizes, lengths, and colors available upon request.

Medical and NSF 51 formulations available upon request.

REGULATORY COMPLIANCE: REACH, RoHS, FDA, and Prop 65 compliant

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HDPE SIZING CHART (CONTINUED)

ITEM NO.	ID	OD	WALL	LENGTH
HD-44-RD-100	0.170	0.250	0.040	100' COIL
HD-44-RD-500	0.170	0.250	0.040	500' SPOOL
HD-44-RD-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-WH-100	0.170	0.250	0.040	100' COIL
HD-44-WH-500	0.170	0.250	0.040	500' SPOOL
HD-44-WH-1000	0.170	0.250	0.040	1000' SPOOL
HD-44-YW-100	0.170	0.250	0.040	100' COIL
HD-44-YW-500	0.170	0.250	0.040	500' SPOOL
HD-44-YW-1000	0.170	0.250	0.040	1000' SPOOL
HD-66-BK-100	0.250	0.375	0.062	100' COIL
HD-66-BK-500	0.250	0.375	0.062	500' SPOOL
HD-66-BK-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-BU-100	0.250	0.375	0.062	100' COIL
HD-66-BU-500	0.250	0.375	0.062	500' SPOOL
HD-66-BU-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-GN-100	0.250	0.375	0.062	100' COIL
HD-66-GN-500	0.250	0.375	0.062	500' SPOOL
HD-66-GN-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-GY-100	0.250	0.375	0.062	100' COIL
HD-66-GY-500	0.250	0.375	0.062	500' SPOOL
HD-66-GY-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-N-100	0.250	0.375	0.062	100' COIL
HD-66-N-500	0.250	0.375	0.062	500' SPOOL
HD-66-N-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-OR-100	0.250	0.375	0.062	100' COIL
HD-66-OR-500	0.250	0.375	0.062	500' SPOOL
HD-66-OR-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-RD-100	0.250	0.375	0.062	100' COIL
HD-66-RD-500	0.250	0.375	0.062	500' SPOOL
HD-66-RD-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-WH-100	0.250	0.375	0.062	100' COIL
HD-66-WH-500	0.250	0.375	0.062	500' SPOOL
HD-66-WH-1000	0.250	0.375	0.062	1000' SPOOL
HD-66-YW-100	0.250	0.375	0.062	100' COIL
HD-66-YW-500	0.250	0.375	0.062	500' SPOOL
HD-66-YW-1000	0.250	0.375	0.062	1000' SPOOL
HD-86-BK-100	0.375	0.500	0.062	100' COIL
HD-86-BK-500	0.375	0.500	0.062	500' SPOOL
HD-86-BU-100	0.375	0.500	0.062	100' COIL
HD-86-BU-500	0.375	0.500	0.062	500' SPOOL
HD-86-GN-100	0.375	0.500	0.062	100' COIL
HD-86-GN-500	0.375	0.500	0.062	500' SPOOL
HD-86-GY-100	0.375	0.500	0.062	100' COIL
HD-86-GY-500	0.375	0.500	0.062	500' SPOOL
HD-86-N-100	0.375	0.500	0.062	100' COIL

Colors: Black (BK), Blue (BU), Green (GN), Gray (GY), Natural (N), Orange (OR), Red (RD), White (WH), Yellow (YW)

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HD-86-N-500	0.375	0.500	0.062	500' SPOOL
HD-86-OR-100	0.375	0.500	0.062	100' COIL
HD-86-OR-500	0.375	0.500	0.062	500' SPOOL
HD-86-RD-100	0.375	0.500	0.062	100' COIL
HD-86-RD-500	0.375	0.500	0.062	500' SPOOL
HD-86-WH-100	0.375	0.500	0.062	100' COIL
HD-86-WH-500	0.375	0.500	0.062	500' SPOOL
HD-86-YW-100	0.375	0.500	0.062	100' COIL
HD-86-YW-500	0.375	0.500	0.062	500' SPOOL

Colors: Black (BK), Blue (BU), Green (GN), Gray (GY), Natural (N), Orange (OR), Red (RD), White (WH), Yellow (YW)



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