

Specification Submittal



Duo Pre-insulated Pex-A Pipe

JOB		REPRESENTATIVE	
ENGINEER		ORDER #	DATE
CONTRACTOR		SUBMITTED BY	DATE
PAGE #		APPROVED BY	DATE

Qty/Length	Part #	Pipe OD	SDR	Comments

Materials	
Service Pipe	Cross-linked polyethylene (Pex-A), manufactured per the Engle method complete with an EVOH oxygen barrier to conform to DIN 4726. Surface roughness value of 0.02 mil. NSF certified. SDR-11
Insulation	Consists of microcellular, cross-linked polyethylene closed cell foam, CFC free. Service temperature of -112°F to 230°F. Water absorption after 28 days DIN 53428 <1.04% of volume.
Jacket	Corrugated closed chamber seamless high density polyethylene (HDPE), UV protected.
Approval	NSF 14 and NSF 61
Operating Limits	-58°F to 203°F (-50°C to 95°C) @ 87 psig

Part#	OD (inch)	OD (mm)	SDR	ID (inch)	OD (inch)	Volume per foot (gal)	Insulation Thickness (inch)	Insulation R-value
MD1251"	1"	28	9	1.031"	1.260"	0.0868	1 1/4"	3.80
MD12532		32	11	1.031"	1.260"	0.0868	1"	3.80
MD16040	1 1/4"	63	11	1.283"	1.575"	3.150	1 1/4"	5.08
MD16050	1 1/2"	40	11	1.606"	1.969"	3.938	1 1/4"	4.06
MD20050	1 1/2"	50	11	1.606"	1.969"	3.938	1 3/4"	6.65
MD20063	2"	63	11	2.024"	2.480"	4.960	3/4"	4.65



MicroFlex Duo pre-insulated Pex-A pipe carries 10 year factory warranty from date of commissioning.

Part#	OD (inch)	OD (mm)	SDR	Minimum Bending Rad (inch)	Coil Length (feet)	Coil Size (inch)	Jacket Diameter (inch)	weight (per ft)
MD1251"	1"	28	9	11 3/4"	328'	79" x 30"	5"	1.19
MD12532		32	11	11 3/4"	328'	79" x 30"	5"	1.19
MD16040	1 1/4"	63	11	19 3/4"	328'	79" x 34"	6 1/4"	2.34
MD16050	1 1/2"	40	11	19 3/4"	328'	79" x 34"	6 1/4"	2.39
MD20050	1 1/2"	50	11	29 1/2"	328'	79" x 59"	8"	2.39
MD20063	2"	63	11	39 1/2"	328'	79" x 59"	8"	3.62

