CRESLINE-Northwest, LLC

TYPICAL PROPERTIES OF PLASTIC PIPE MATERIALS

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Properties	Units	Test Method	Polyethylene		ABS	PVC-1	CPVC
			PE 2406	PE 3408			
PHYSICAL							
Specific Gravity		D-1505	0.949	0.955	1.03	1.41	1.52
Tensile Strength — Yield — Break	psi	D-638	2,800 4,500	3,300 4,500	5,200	7,000	7,800
Impact Strength							
Izod Notched 73°F — 40°F	ft. lbs./in. notch	D-256	10.0 1.0	10.0 0.9	8.3	1.5 0.3	6.3
Flexural Strength	psi	D-790			8,500	12,000	14,000
Flexural Modulus 73°F	psi	D-790	100,000	115,000	267,000	400,000	427,000
Hardness — Rockwell Shore	R— Scale D	D-785 D-2240	 64	 68	102	115	120
Elongation % at Break			>800	>800	150		
Cell Classification			234333C	3354444C	42222	12454B	24447
THERMAL							
Thermal Conductivity	BTU/hr./ft^2/°F/in.	C-177	2.7	2.8	2.56	1.46	
Heat Distortion 264 psi Load 66 psi Load	°F	D-648	 49 64	 47 75	 174 199	 158 171	 212
Thermal Coefficient of Expansion	in./in./°F	D-696	8.0x10^{-5}	8.0x10^{-5}	5.5x10^{-5}	3.0x10^{-5}	3.4x10^{-5}
ELECTRICAL							
Dialectric Strength	Volts/Mil	D-150	460			450	
Dialectric Constant 60 CPS 1000 CPS		D-150	 2.3 2.3		 3.54 3.43	 4.55	
Power Factor 60 CPS 1000 CPS 10^6 CPS		D-150			 0.005 0.006		
Volume Resistivity	Ohms/cm.		10^{15}		3.5x10^{16}		
MISCELLANEOUS							
Water Absorption - 24 Hrs.	% Weight	D-570	0.0019	0.0035	0.2	0.35	.02
Burning Rate	in./min.	D-635	0.94		1.24	Self Exting.	Self Exting.

NOTE: The Data listed in this chart pertains particularly to the raw materials from which the various types of Cresline Pipe are made and are compilations of available property data.