

Properties	Units	Test Method	PVC-1	CPVC
<b><u>PHYSICAL</u></b>				
Specific Gravity		D1505	1.41	1.52
Tensile Strength — Yield — Break	psi	D638	7,000	7,800
Impact Strength				
Izod Notched      73°F — 40°F	ft. lbs./in. notch	D256	1.5 0.3	6.3
Flexural Strength	psi	D790	12,000	14,000
Flexural Modulus   73°F	psi	D790	400,000	427,000
Hardness — Rockwell Shore	R— Scale D	D785 D2240	115	120
Elongation % at Break				
Cell Classification			12454	24447
<b><u>THERMAL</u></b>				
Thermal Conductivity	BTU/hr./ft <sup>2</sup> /°F/in.	C177	1.46	
Heat Distortion	°F	D648		
264 psi Load			158	212
66 psi Load			171	
Thermal Coefficient Of Expansion	in./in. / °F	D696	3.0x10 <sup>-5</sup>	3.4x10 <sup>-5</sup>
<b><u>ELECTRICAL</u></b>				
Dielectric Strength	Volts/Mil	D149	450	
Dielectric Constant 60 Hz		D150		
Power Factor		D150		
60 CPS				
1000 CPS				
10 <sup>6</sup> CPS				
Volume Resistivity	Ohms/cm.			
<b><u>MISCELLANEOUS</u></b>				
Water Absorption - 24 Hrs.	% Weight	D570	0.35	0.02
Burning Rate	In./min.	D635	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.

