



Data Sheet No: 10513
Revision: 01
Effective Date: 8/18/06
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DATA SHEET			
PVC – Polyvinyl Chloride, Type I, Grade I			
Property	Units	Test Method	Typical Average Values
Mechanical			
Specific Gravity, 73° F	-	ASTM D792	1.4
Yield Point, 73° F	psi	ASTM D638	8350
Elongation (at yield), 73° F	%	ASTM D638	5
Tensile Break, 73° F	psi	ASTM D638	8350
Elongation (at break)	%	ASTM D-638	20
Flexural Modulus of Elasticity 73° F	psi	ASTM D790	398000
Tensile Modulus of Elasticity, 73° F	psi	ASTM D638	465000
Hardness, Durometer, Shore "D" Scale, 73° F	-	ASTM D2240	89
Izod Impact (notched), 73° F	ft.lb./in.	ASTM D256 Type "A"	0.4
Thermal			
Heat Deflection Temperature 66 psi	°F	ASTM D648	
Melting Point (crystalline) peak	°F	ASTM D3418	
Continuous Service Temperature in Air (Max.)(1)	°F	-	140
Electrical			
Surface Resistivity	Ohm	ASTM D257	> 10 ¹²
Volume Resistivity	Ohms/cm	ASTM D257	> 10 ¹²
Flammability @ 3.1mm (1/8"). (3)	-	UL 94	VO
Miscellaneous			
Water Absorption	ASTM D-570	%	

- (1) Data represent Quadrant's estimated maximum long-term service temperature based on practical field experience.
- (2) Specimens: 1/8" thick x 2" diameter or square.
- (3) **Estimated rating based on available data.** The UL 94 Test is a laboratory test and does not relate to actual fire hazard. Contact Quadrant for specific UL "Yellow Card" recognition number.

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