

Generic Vinyl Ester

Vinyl Ester

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Vinyl Ester
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01 to 1.71	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.0 to 8.5	%	ASTM D955
Bound Styrene	39.0 to 44.0	%	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	34 to 45		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2840 to 4160	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	67.6 to 95.1	MPa	
23°C	73.6 to 91.7	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	3.9 to 4.7	%	
Break, 23°C	2.4 to 8.1	%	
Flexural Modulus (23°C)	3410 to 4070	MPa	ASTM D790
Flexural Strength			ASTM D790
23°C	133 to 152	MPa	
Yield, 23°C	109 to 151	MPa	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0 to 150	°C	ASTM D648
Electrical	Nominal Value		Test Method
Dielectric Constant			
23°C	3.27 to 3.47		ASTM D150
23°C	3.30 to 3.50		IEC 60250
Dissipation Factor			
23°C	3.7E-3 to 5.3E-3		ASTM D150
23°C	1.6E-3 to 3.7E-3		IEC 60250
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (23°C)	13 to 26	wk	
Thermoset Mix Viscosity	178 to 565	cP	ASTM D2393
Uncured Properties	Nominal Value	Unit	Test Method
Viscosity (23°C)	0.090 to 2.6	Pa · s	

Gel Time (23°C)

10 to 19

min

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Recommended distributors for this material

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