

Generic Polyarylate

Polyarylate

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20 to 1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.79 to 0.81	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12 to 0.75	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	105 to 125		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	53.0 to 72.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5 to 82	%	ASTM D638
Flexural Modulus (23°C)	1100 to 2660	MPa	ASTM D790
Flexural Strength (23°C)	76.0 to 105	MPa	ASTM D790
Compressive Strength (23°C)	76.0 to 86.0	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43 to 450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110 to 176	°C	ASTM D648
CLTE - Flow	6.0E-5 to 7.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+14 to 2.1E+16	ohms·cm	ASTM D257
Dielectric Strength (23°C)	24 to 39	kV/mm	ASTM D149
Dielectric Constant (23°C)	2.60 to 3.77		ASTM D150
Dissipation Factor (23°C)	0.010 to 0.040		ASTM D150
Arc Resistance	79.3 to 128	sec	ASTM D495
Optical	Nominal Value	Unit	Test Method
Transmittance	87.0 to 88.1	%	ASTM D1003

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