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Durez 25352 is a two stage, heat resistant molding material. It is designed to provide an excellent balance of thermal, electrical, and dimensional properties.

Plasticities available for compression, transfer, and injection molding.

Form of Material Granular

Feeding & Preforming Good

Storage Life One Year

PHENOLIC

Typical Properties		Compression		Injection Grade	
		International Units	English Units	International Units	English Units
Physical	Specific Gravity (D792)	1.53	1.53	1.53	1.53
	Apparent Density (D1895)	0.60 g/cc	0.60 g/cc	0.60 g/cc	0.60 g/cc
	Molding Shrinkage* (D6289)	0.005 m/m	0.005 in/in	0.0090 m/m	0.0090 in/in
	Water Absorption (D570)	.25 %	.25 %	.25 %	.25 %
Mechanical	Tensile Strength (D638)	41 Mpa	6,000 psi	48 Mpa	7,000 psi
	Flexural Strength (D790)	69 Mpa	10,000 psi	83 Mpa	12,000 psi
	Compressive Strength (D695)	179 Mpa	26,000 psi	172 Mpa	25,000 psi
	Tensile Modulus (D638)	6.9 Gpa	1.0 x10 ⁶ psi	8.3 Gpa	1.2 x10 ⁶ psi
	Izod Impact (D256)	18.7 J/m	0.35 ft lb/in	17.1 J/m	0.32 ft lb/in
Thermal	Deflection Temperature (D648)	191 °C	375 °F	168 °C	335 °F
	UL Flammability (UL-94) @	1.5 mm	V - 0	1.5 mm	V - 0
	For complete UL Listing for this material refer to the UL web Site www.ul.com	3.0 mm	V - 0	3.0 mm	V - 0
	UL Temperature Index (Elect) @	6.0 mm	V - 0	6.0 mm	V - 0
Electrical	Dielectric Strength (D149)				
	Short Time	13.8 MV/m	350 V/mil	11.8 MV/m	300 V/mil
	Step by Step	11.8 MV/m	300 V/mil	8.8 MV/m	225 V/mil
	Dissipation Factor (D150)1 MHZ	0.05	0.05	0.07	0.07
	Dielectric Constant (D150)1 MHZ	5.0	5.0	6.0	6.0
	Volume Resistivity(ohms)(D257)	1.0 x10 ¹⁰ m	1.0 x10 ¹² cm	1.0 x10 ¹⁰ m	1.0 x10 ¹² cm

Properties determined with test specimens molded at 340-350°F *Typical transfer-molded shrinkage is 0.006 in/in or m/m

Other Properties

IEC Tracking Index (CTI): 190 Volts
ASTM D-495 Arc Resistance 120 Sec.

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