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BASF Ultraform® N2650 Z6 POM + PUR

Description: Elastomer-modified injection molding grade for applications requiring highest impact strength together with low stiffness.

Physical Properties	Metric	English	Comments
Bulk Density	0.850 g/cc	0.0307 lb/in³	
Density	1.33 g/cc	0.0480 lb/in³	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	ISO 62
Melt Flow	9.31 g/10 min @Load 2.16 kg, Temperature 190 °C	9.31 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ISO 527-1/-2
Elongation at Break	44 %	44 %	50 mm/min, Nominal; ISO 527-1/-2
Elongation at Yield	19 %	19 %	50 mm/min; ISO 527-1/-2
Tensile Modulus	1.20 GPa	174 ksi	ISO 527-1/-2
Charpy Impact Unnotched	24.0 J/cm² @Temperature -30.0 °C	114 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.900 J/cm² @Temperature -30.0 °C	4.28 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eA
	2.00 J/cm² @Temperature 23.0 °C	9.52 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA
Tensile Creep Modulus, 1000 hours	500 MPa @Strain <=0.5 %	72500 psi @Strain <=0.5 %	ISO 899-1

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.3 @Frequency 1e+6 Hz	4.3 @Frequency 1e+6 Hz	IEC 60250
Dissipation Factor	0.025 @Frequency 1e+6 Hz	0.025 @Frequency 1e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	Test Solution A; IEC 60112