

Ultraform® N 2650 Z2

Acetal (POM) Copolymer

BASF Corporation

Message:

Ultraform® N 2650 Z2 is an Acetal (POM) Copolymer product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

General Information			
Features	Copolymer		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	52.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	13	%	ISO 527-2
Nominal Tensile Strain at Break (23°C)	48	%	ISO 527-2
Tensile Creep Modulus (1000 hr)	700	MPa	ISO 899-1
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m ²	
23°C	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	290	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature (DSC)	167	°C	ISO 3146
CLTE - Flow	1.3E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms · cm	IEC 60093
Dielectric Constant (1 MHz)	3.90		IEC 60250
Dissipation Factor (1 MHz)	0.012		IEC 60250
Comparative Tracking Index	600	V	IEC 60112

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