

Ultraform® N 2640 E2

Acetal (POM) Copolymer

BASF Corporation

Message:

Elastomer modified injection molding grade with increased toughness and high welding line strength.

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Copolymer		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particles		
Processing Method	Injection molding		
Resin ID (ISO 1043)	POM-HI		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Apparent Density	0.85	g/cm³	
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	6.00	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.9	%	ISO 294-4
Flow direction	1.9	%	ISO 294-4
Water Absorption			ISO 62
Saturated, 23°C	0.90	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	105	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.8	%	ISO 527-2/50
Nominal Tensile Strain at Break	50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.5	kJ/m²	ISO 179/1eA
23°C	9.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A

Melting Temperature	166	°C	ISO 11357-3
CLTE - Flow (23 to 55°C)	1.3E-4	cm/cm/°C	ISO 11359-2
Maximum operating temperature-short cycle operation	100	°C	
Automotive Materials (> 1.00 mm)	Passed		FMVSS 302
ISO Type	POM-K, M-GNPR, 02-001		ISO 9988-1
Screw Speed		mm/sec	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Dielectric Strength	85	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.50		IEC 60250
Dissipation Factor (1 MHz)	8.0E-3		IEC 60250
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Hopper Temperature	200	°C	
Rear Temperature	200	°C	
Middle Temperature	200	°C	
Front Temperature	200	°C	
Nozzle Temperature	200	°C	
Processing (Melt) Temp	190 - 220	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection instructions			

Residence Time : <10 min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT