Ultraform® N 2650 Z2 LEV

Acetal (POM) Copolymer + PUR

BASF Corporation

Message:

Emission optimized,elastomer-modified injection molding grade with high impact strength for clips, snap and fastening elements, and also for components subject to impact stress.

General Information			
Additive	Impact modifier		
Features	Impact modification Low volatilization Copolymer Impact resistance, high The smell is low to none		
Uses	Fasteners		
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	1.37	g/cm³	ISO 1183
Apparent Density	0.85	g/cm³	
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.50	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.8	%	ISO 294-4
Flow direction	1.8	%	ISO 294-4
Water Absorption			ISO 62
Saturated, 23°C	0.80	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1900	MPa	ISO 527-2
Tensile Stress (Yield)	52.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	13	%	ISO 527-2/50
Nominal Tensile Strain at Break	48	%	ISO 527-2/50
Tensile Creep Modulus [1] (1000 hr)	700	MPa	ISO 899-1
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m²	ISO 179/1eA

23°C	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	290	kJ/m²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature	167	°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	
ISO Type	POM-K, M-GNPR, 03-001		ISO 9988-1
Screw Speed		mm/sec	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	3.90		IEC 60250
Dissipation Factor (1 MHz)	0.012		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 - 215	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection instructions			
Residence Time : <10 min			
NOTE			
1.	strain <= 0,5%, 23°C		

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