

Ultraform® N 2650 Z4 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			
UL YellowCard	E41871-233598		
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	1.35	g/cm ³	ISO 1183
Apparent Density	0.85	g/cm ³	
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	2.0	%	ISO 294-4
Flow direction	2.0	%	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	1500	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	16	%	ISO 527-2/50
Nominal Tensile Strain at Break	40	%	ISO 527-2/50
Tensile Creep Modulus ¹ (1000 hr)	500	MPa	ISO 899-1
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

-30°C	8.0	kJ/m ²	ISO 179/1eA
23°C	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	270	kJ/m ²	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+13	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	4.20		IEC 60250
Dissipation Factor (1 MHz)	0.017		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		

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