Ultraform® Z 2320 0035

Acetal (POM) Copolymer

BASF Corporation

Message:

Extremely easy flowing grade for very thin-walled moldings with difficult flow path to wall thickness ratios and very short cycle times.

General Information			
Features	Copolymer Fast molding cycle Good liquidity		
Uses	Thin wall parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particles		
Processing Method	Injection molding		
Resin ID (ISO 1043)	POM		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.40	g/cm³	ISO 1183
Apparent Density	0.85	g/cm³	
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	85.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	2.1	%	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	2600	MPa	ISO 527-2
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Nominal Tensile Strain at Break	13	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	140	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	167	°C	ISO 11357-3
CLTE - Flow (23 to 55°C)	1.1E-4	cm/cm/°C	ISO 11359-2
Maximum operating temperature-short cycle operation	100	°C	

ISO Type	POM-K, M-GNR, 06-002		ISO 9988-1
Screw Speed		mm/sec	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	3.80		IEC 60250
Dissipation Factor (1 MHz)	5.0E-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 - 230	°C	
Mold Temperature	60.0 - 120	°C	
Injection instructions			

Residence Time : <10 min

Recommended distributors for this material

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