Tecomid® NA40 NL IL

Polyamide 66

Eurotec Engineering Plastics

Message:

PA6.6, impact modified, natural

General Information			
Additive	Impact modifier		
Features	Impact modification		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PA6.6-I		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.09	g/cm³	ISO 1183
Molding Shrinkage			Internal method
Vertical flow direction	1.5	%	Internal method
Flow direction	1.5	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.2	%	ISO 62
Moisture Content		%	ISO 960
Back Pressure	Low		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180/1A
-30°C	20	kJ/m²	ISO 180/1A
23°C	45	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	No Break		ISO 180/1U
23°C	No Break		ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Melting Temperature [1]	262	°C	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.60 mm	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
Hopper Temperature	60.0 - 80.0	°C	
Processing (Melt) Temp	260 - 280	°C	
Mold Temperature	50.0 - 90.0	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	50.0 - 100	MPa	
Injection instructions			
Pre-drying is not necessary for materials in moisture proof closed bags.			
NOTE			
1.	10 K/min		

Recommended distributors for this material

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