NEALID XN013C - 8428

Polyamide

AD majoris

Message:

NEALID XN013C - 8428 is a polyamide alloy with detergent additives and low friction intended for injection moulding.
APPLICATIONS
NEALID XN013C - 8428 has been developed especially for very demanding applications in automotive industry, electrical and appliances parts requiring excellent combination between thermal and mechanical properties.

General Information			
Features	Low Friction Recyclable Material		
Uses	Appliance Components Automotive Applications Electrical Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 1.4	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Break)	57.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	3.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	DIN 53482
Volume Resistivity	1.0E+15	ohms·cm	DIN 53482
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**

Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Rear Temperature	225 to 245	°C
Middle Temperature	230 to 250	°C
Front Temperature	235 to 255	°C
Nozzle Temperature	230 to 260	°C
Mold Temperature	40.0 to 80.0	°C
Injection Pressure	85.0 to 110	MPa
Injection Rate	Fast	
Holding Pressure	50.0 to 70.0	MPa

Recommended distributors for this material

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