

NEALID XW400H - 8229

Polyamide + Polyolefin

AD majoris

Message:

NEALID XW400H-8229 is a 40 % glass fibre/mineral reinforced polyamide alloy black intended for injection moulding.

APPLICATIONS

Products requiring excellent combination between thermal and mechanical properties.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Recyclable Material		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6130	MPa	ISO 527-2
Tensile Stress (Break)	47.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	24	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	161	°C	ISO 75-2/B
1.8 MPa, Unannealed	121	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	245 to 265	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	255 to 275	°C	
Nozzle Temperature	255 to 275	°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
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	

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Recommended distributors for this material

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