

MAJORIS DM400 - 8229

Polypropylene

AD majoris

Message:

DM400 - 8229 is a 40% mica reinforced polypropylene compound intended for injection moulding.

APPLICATIONS

Products requiring high rigidity, heat resistance, low shrinkage, high dimensional stability can suitably be made from DM400 - 8229.

General Information			
Filler / Reinforcement	Mica filler, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Heat resistance, high		
	Low shrinkage		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.80	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5
Yield	38.0	MPa	ISO 527-2/5
Fracture	35.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	1.3	%	ISO 527-2/5
Fracture	1.5	%	ISO 527-2/5
Flexural Modulus ¹	5950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	101	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	220 - 270	°C
Mold Temperature	30.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	2.0 mm/min	

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