MAJORIS DE289

Polypropylene

AD majoris

Message:

DE289 is a 20% mineral filled, polypropylene compound, elastomer modified intended for injection moulding.
DE289 has been developed especially for applications requiring excellent impact strength good surface quality and a lower coefficient of friction.
The product is available in natural and black (DE289 - 8229) but other colours can be provided on request.
APPLICATION
Household appliances
Automotive industry
Electrical applications

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Additive	Impact modifier		
Features	Impact modification Low friction coefficient Impact resistance, high Recyclable materials Excellent appearance		
Uses	Electrical/Electronic Applications Electrical appliances Application in Automobile Field		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.02	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 0.90	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1650	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/50
Flexural Modulus [1]	1600	MPa	ISO 178
Flexural Stress	31.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	25	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	105	°C	ISO 75-2/B
1.8 MPa, not annealed	57.0	°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	210 - 250	°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		

Recommended distributors for this material

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WECHAT