MAJORIS HG313X - 8147

Polypropylene

AD majoris

Message:

MAJORIS HG313X - 8147 is a high performance reinforced polypropylene compound intended for injection moulding.
The product is available in natural, but other colours can be provided on request.
MAJORIS HG313X - 8147 has been developed especially for heavy duty applications in under the bonnet applications.
MAJORIS HG313X - 8147 has very high rigidity and good impact strength, good dimensional stability and good creep resistance also at high temperatures.
APPLICATIONS
Product requiring very high overall mechanical performance , such as:
Engine covers
UTB parts

General Information			
Features	Good dimensional stability Rigidity, high Impact resistance, good Recyclable materials Good creep resistance		
Uses	Parts under the hood of a car		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.80	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 15 sec)	76		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6500	MPa	ISO 527-2/1
Tensile Stress	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Modulus	6100	MPa	ISO 178
Poisson's Ratio	0.38		ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.5	kJ/m²	ISO 179/1eA

23°C	6.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	24	kJ/m²	ISO 179/1eU
23°C	32	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	159	°C	ISO 75-2/B
1.8 MPa, not annealed	144	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 70.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

Recommended distributors for this material

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WECHAT