

# MAJORIS HG313X - 8229

Polypropylene

AD majoris

## Message:

MAJORIS HG313X - 8229 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 - 8229 has been developed especially for heavy duty applications in under the bonnet applications.

MAJORIS HG313X - 8229 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/cm <sup>3</sup>	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 (Yield)	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/m <sup>2</sup>	ISO 179/1eA

23°C	6.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	24	kJ/m <sup>2</sup>	ISO 179/1eU
23°C	32	kJ/m <sup>2</sup>	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			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

