

MAJORIS FN068 - 8139

Polypropylene Copolymer

AD majoris

Message:

FN068 - 8139 is a high performance PP copolymer characterised by high impact strength combined with high stiffness and good flow properties. The product is available in natural (FN068) but other colours can be supplied on request.

APPLICATIONS

FN068 - 8139 has been developed especially for demanding applications intended for injection moulding of automotive interior and appliances parts.

General Information			
Features	Rigidity, high		
	Copolymer		
	Impact resistance, high		
	Recyclable materials		
	Good liquidity		
	Compliance of Food Exposure		
Uses	Home appliance components		
	Car interior parts		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	62.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m ²	ISO 179/1eA
23°C	9.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	62	kJ/m ²	ISO 179/1eU
23°C	110	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/B
1.8 MPa, not annealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A
--	72.0	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Atomization-100°C/16H	1.4	mg	DIN 75201
Emission	30.0	µgC/g	VDA 277
Injection	Nominal Value	Unit	
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

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

