

MAJORIS FN060C

Polypropylene Copolymer

AD majoris

Message:

FN060C 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 (FN060C) but other colours can be supplied on request.

APPLICATIONS

FN060C 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 (2.00 mm)	1.6	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ISO 868
Ball Indentation Hardness (H 358/30)	65.0	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			ISO 527-2/50
Yield	5.0	%	ISO 527-2/50
Fracture	67	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m ²	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			
NOTE			
1.	2.0 mm/min		

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