

MAJORIS GN040X

Polypropylene Homopolymer

AD majoris

Message:

MAJORIS GN040X is a clarified high performance homopolymer polypropylene for injection moulding with a melt flow index of 25 g/10min. MAJORIS GN040X has been designed with a very high stiffness and an outstanding transparency.

APPLICATIONS

- Packaging
- Houseware
- Containers and products with medium to long flow length

General Information			
Additive	Clarifier		
Features	High Clarity		
	High Stiffness		
	Homopolymer		
	Recyclable Material		
Uses	Containers		
	Household Goods		
	Packaging		
Appearance	Clear/Transparent		
Forms	Pellets		
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)	25	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2/1
Tensile Stress (Yield)	37.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A
--	90.0	°C	ISO 306/B
Melting Temperature (DSC)	165	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 260	°C	
Mold Temperature	15.0 to 60.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

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