

# MAJORIS DE020

Polypropylene

AD majoris

## Message:

DE020 is an elastomer modified polypropylene intended for injection moulding.  
DE020 has been developed especially for the car industry, to be used in interior parts requiring excellent high impact strength at low temperature.  
The product is available in black (DE020 - 8229) and natural (DE020) but other colours can be provided on request.  
DE 020 has a very easy flowing and excellent mechanical properties.

### APPLICATIONS

- Interior panels
- Dashboard
- Consoles
- Door panels and pockets

General Information			
Additive	Impact Modifier		
Features	Good Flow		
	Impact Modified		
	Low Temperature Impact Resistance		
	Recyclable Material		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Automotive Interior Trim		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-20°C	10	kJ/m <sup>2</sup>	
0°C	14	kJ/m <sup>2</sup>	
23°C	45	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	46.0	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/A50
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	10.0 to 30.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

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