

Exxtral™ Performance Polyolefin CNW010

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

The invention relates to a special thermoplastic polyolefin resin, which is used in injection molding automobile interior decoration occasions requiring low warpage.

General Information			
Features	Low to No Fogging		
	High liquidity		
	Excellent appearance		
Uses	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
	Consumer goods application field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	52.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1100	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	23.0	MPa	ISO 527-2/50
Fracture	17.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.0	%	ISO 527-2/50
Fracture	22	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C, complete fracture	5.5	kJ/m ²	ISO 179
23°C, complete fracture	9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	82.0	°C	ISO 75-2/B

1.8 MPa, not annealed	51.0	°C	ISO 75-2/A
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Legal statement

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