

Exxtral™ Performance Polyolefin CNU012

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

The invention relates to a special thermoplastic polyolefin resin, which is used in injection molding automobile occasions.

General Information			
Features	Equilibrium rigidity/toughness		
	Impact resistance, good		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	21.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1240	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	23.3	MPa	ISO 527-2/50
Fracture	17.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.1	%	ISO 527-2/50
Fracture	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C, complete fracture	5.0	kJ/m ²	ISO 179
0°C, complete fracture	5.4	kJ/m ²	ISO 179
23°C, complete fracture	9.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Legal statement			

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