

Exxtral™ Performance Polyolefin CNU011

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

A special thermoplastic polyolefin resin is used for injection molded automotive interior parts that require good surface finish and UV resistance.

General Information			
Features	Equilibrium rigidity/toughness		
	Impact resistance, good		
	Excellent appearance		
Uses	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
Appearance	Available colors		
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)	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	1200	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	24.0	MPa	ISO 527-2/50
Fracture	16.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	5.2	%	ISO 527-2/50
Fracture	> 100	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C, complete fracture	5.6	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	78.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Legal statement			

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用本产品不宜在与食品接触的应用中使用.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

