

Exxtral™ Performance Polyolefin BNT013

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

A special thermoplastic polyolefin resin used for injection molding of automobile internal parts (such as door panels).

General Information			
Features	Equilibrium rigidity/toughness		
	Impact resistance, high		
	Good coloring		
Uses	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
Appearance	Natural color		
Forms	Particle		
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)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	940	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	16.8	MPa	ISO 527-2/50
Fracture	14.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	4.3	%	ISO 527-2/50
Fracture	60	%	ISO 527-2/50
Flexural Modulus - Secant	920	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, complete fracture	8.5	kJ/m ²	ISO 179
0°C, complete fracture	13	kJ/m ²	ISO 179
23°C, local fracture	69	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	47.0	°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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