

Exxtral™ Performance Polyolefin BMU234

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

A special thermoplastic polyolefin resin used to coat exterior parts of automobiles (such as body guards).

General Information			
Features	Super rigidity		
	Good dimensional stability		
	Impact resistance, good		
	Sprayable		
	Good creep resistance		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Car exterior decoration		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	16.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1840	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	18.5	MPa	ISO 527-2
Fracture	14.4	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	1850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, complete fracture	4.5	kJ/m ²	ISO 179
-20°C, complete fracture	5.5	kJ/m ²	ISO 179
0°C, complete fracture	7.3	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	97.0	°C	ISO 75-2/B

1.8 MPa, not annealed	54.0	°C	ISO 75-2/A
Legal statement			

本产品不宜在与食品接触的应用中使用.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

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