

STERLENE™ BMU130D

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ BMU130D is a compound designed for automotive exterior applications requiring very high impact resistance with high UV resistance.

General Information			
Features	Good UV Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1280	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	15.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	6.4	%	
Break, 23°C	55	%	
Flexural Modulus ² (23°C)	1070	MPa	ISO 178
Flexural Stress ³ (23°C)	20.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Partial Break)	55	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C, Partial Break)	49	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	49.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 240	°C	
Mold Temperature	25.0 to 60.0	°C	
NOTE			
1.	Procedure B		
2.	2.0 mm/min		

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