

STERLENE™ BMU147E

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ BMU147E is a compounded mineral filled polypropylene (TPO) for injection molding, characterised by good impact and stiffness, suitable for automotive interior application.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Impact Resistance		
	Good Stiffness		
Uses	Automotive Applications		
	Automotive Interior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	18	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	1710	MPa	ISO 527-2/1
23°C	2040	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	4.0	%	
Break, 23°C	32	%	
Flexural Modulus ² (23°C)	1770	MPa	ISO 178
Flexural Stress ³ (23°C)	27.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Partial Break)	51	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C, Partial Break)	51	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	54.0	°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
3.	2.0 mm/min

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