

STERLENE™ BMU147

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ BMU147 is a compounded mineral filled polypropylene (TPO) for injection molding, characterised by medium melt flow and good stiffness/impact balance, suitable for automotive applications requiring high impact resistance.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Impact Resistance		
	Good Stiffness		
	Medium Flow		
Uses	Automotive Applications		
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)	17	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2040	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	5.0	%	
Break, 23°C	40	%	
Flexural Modulus ² (23°C)	1680	MPa	ISO 178
Flexural Stress ³ (23°C)	24.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Partial Break)	34	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	53.0	°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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