

STERLENE™ HMU234

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ HMU234 is a black mineral filled compounded polyolefin grade showing high stiffness, high heat resistance, low emission and low odor for underhood application.

General Information			
Filler / Reinforcement	Mineral		
Features	High Heat Resistance		
	High Stiffness		
	Low Emissions		
	Low to No Odor		
Uses	Automotive Applications		
	Automotive Under the Hood		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	10	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	3200	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	3.4	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°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		

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