

STERLENE™ BMV203W

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ BMV203W is a compound with high impact, UV stabilized. This product is designed for automotive exterior applications like bumpers.

General Information			
Additive	UV Stabilizer		
Features	Good Impact Resistance		
	Good UV Resistance		
Uses	Automotive Applications		
	Automotive Exterior 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)	24	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1860	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	8.9	%	
Break, 23°C	350	%	
Flexural Modulus ² (23°C)	1570	MPa	ISO 178
Flexural Stress ³ (23°C)	26.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-30°C, Complete Break	6.3	kJ/m ²	
23°C, Partial Break	50	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-30°C, Complete Break	6.1	kJ/m ²	
23°C, Partial Break	60	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	51.0	°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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