

STERLENE™ BMV213A

Thermoplastic Polyolefin Elastomer

R&P; (Pte.) Ltd.

Message:

STERLENE™ BMV213A is a compound designed for automotive interior applications requiring very high impact resistance as well as high stiffness with superior scratch resistance.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	High Scratch Resistance		
Uses	Automotive Applications		
	Automotive Interior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	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)	2400	MPa	ISO 527-2/50
Tensile Stress (Yield, 23°C)	20.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 23°C	4.5	%	
Break, 23°C	26	%	
Flexural Modulus ² (23°C)	2170	MPa	ISO 178
Flexural Stress ³ (23°C)	32.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C, Complete Break	4.6	kJ/m ²	
23°C, Partial Break	30	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-40°C, Complete Break	5.4	kJ/m ²	
23°C, Partial Break	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

