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/cm³	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/m²	
23°C, Partial Break	30	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-40°C, Complete Break	5.4	kJ/m²	
23°C, Partial Break	35	kJ/m²	
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

Recommended distributors for this material

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