

Trexprene® A80BI

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Product Description: TREXPENE ® A80BI is a black; heat stabilized PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). This compound is primarily intended for under-hood and interior applications and can be processed using Injection Molding, Extrusion, Blow Molding or other melt processing techniques.

General Information	
Additive	Heat Stabilizer
Features	Heat Stabilized
Uses	Automotive Interior Parts
	Automotive Under the Hood
Appearance	Black
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930 to 0.990	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	77 to 83		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow ¹ (100% Strain)	4.10	MPa	ISO 37
Tensile Stress - Across Flow ² (Yield)	8.40	MPa	ISO 37
Tensile Elongation - Across Flow ³ (Break)	550	%	ISO 37
Tear Strength - Across Flow ⁴	35	kN/m	ISO 34-1
Flammability	Nominal Value	Unit	Test Method
Fogging	> 70	%	SAE J1756
Color Fastness - to Light ⁵	No Objectionable Defects		SAE J1885

NOTE	
1.	Type 1, 500 mm/min
2.	Type 1, 500 mm/min
3.	Type 1, 500 mm/min
4.	Method Ba, Angle (Unnicked), 500 mm/min
5.	Xenon Arc 1240.8kJ/m ²

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