

# Trexprene® A50NI-HF

Thermoplastic Vulcanizate

Mitsubishi Chemical Performance Polymers, Inc.

## Message:

Product Description: TREXPENE® A50NI-HF is a natural PP/EPDM based Thermoplastic Vulcanized Elastomer (TPV). The material has been formulated specifically for the sheet market and can be used as a master batch in TPO formulations or in its virgin state. The material contains no UV stabilizers as the intention is that this will be added by the processor with the desired color concentrate. The material is intended for applications where excellent gas-fade resistance or non-pinking is required. This material can be processed using Extrusion or Calendaring processes.

General Information	
Features	Gas-fading Resistant
Uses	Masterbatch
	Sheet
Appearance	Natural Color
Forms	Pellets
Processing Method	Calendering
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900 to 0.940	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	45 to 51		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (100% Strain)	1.10	MPa	ISO 37
Tensile Stress <sup>2</sup> (Break)	3.20	MPa	ISO 37
Tensile Elongation <sup>3</sup> (Break)	430	%	ISO 37
Tear Strength - Across Flow <sup>4</sup>	17	kN/m	ISO 34-1
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	< -56.0	°C	ASTM D746
Type B	< -56.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Fogging - Photometric	80	%	SAE J1756
Ozone Resistance <sup>5</sup> (40°C)	0 Rating		ISO 1431-1

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

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#### Recommended distributors for this material

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