

OPTI-PREN™ TPV 6152-65A Thundergrey 9348N UV

Product description

A soft, special grey colored, UV resistant thermoplastic vulcanizate (TPV), with low fogging and good appearance. It can be processed on conventional thermoplastics equipment for injection molding or extrusion. This grade of Opti-Pren TPV is polyolefin-based and completely recyclable.

Applications

- Automotive Applications
- Automotive - Grips
- Automotive - Interior
- Automotive - Interior Mat
- Outdoor Applications

Physical properties	Value ¹ (SI)	Test
Density	0.92g/cm ³	ISO 1183
Aspect	Pellets	
Color	Thundergrey	
Shore Hardness (15sec at 23°C)	65 A	ISO 868

Mechanical properties	Value ^{1,2} (SI)	Test
Tensile Stress at 100% Across Flow (23°C)	2.1MPa	ISO 37
Tensile Stress at Break Across Flow (23°C)	4.7MPa	ISO 37
Tensile Strain at Break Across Flow (23°C)	490%	ISO 37

Flame retardancy	Value ¹ (SI)	Test
Flame rating (2mm)	59 mm/min	NF ISO 3795 / FMV SS302

¹ Values listed here are typical averages and should not be taken as our Product Specification

² Stated values are measured on molded plaques, fan-gated, size 102.0mm x 152.0mm x 2.0mm. Tensile strength and tensile stress are measured across flow direction.

Processing Information

Desiccant drying for 3 hours at 80°C is recommended. For two-shot injection molding, recommended melt temperature is 210° to 230°C with mold temperatures of 30° to 50°C. For insert injection molding, recommended melt temperature is 230° to 250°C with mold temperature of 25° to 50°C.

Note that this grade is incompatible with acetal and PVC.

Additional Information

RoHS2 (Directive 2011/65/EU) Compliant as amended up to 2019/1846/EU of 5 November 2019.

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Contact information

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