ExxonMobil

Santoprene™ 8211-85M350

Thermoplastic Vulcanizate

Product Description

A hard, colorable, thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is developed to be used as a skin for molding onto rigid polypropylene substrates in automotive interior applications such as door panels and center consoles. For these applications, this grade combines low gloss, high scratch and mar resistance, low emissions (fogging, odor) and comfort touch. This grade of Santoprene TPV is shear-dependent and can be processed on conventional mono- and multi-component injection molding machines. It is polyolefin based, adheres to and is compatible with polypropylene, and is recyclable within the manufacturing stream.

Key Features

- Non-hygroscopic product, requires little to no drying before processing.
- Neutral, easy coloring formulation.
- Designed for applications requiring high-flow materials.
- Low emissions.
- Cost effective alternative to soft touch paint over PP substrate.

General

Applications	▪ Automotive - Interior	
RoHS Compliance	▪ RoHS Compliant	
Color	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Injection Molding	▪ Multi Injection Molding

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density / Specific Gravity	0.910		0.910		ASTM D792
Density	0.910	g/cm³	0.910	g/cm³	ISO 1183

Hardness	Typical Value (English)		Typical Value (SI)		Test Based On
Shore Hardness					ISO 868
Shore A, 15 sec, 73°F (23°C)	86		86		

Elastomers	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break - Across Flow (73°F (23°C))	1280	psi	8.80	MPa	ASTM D412
Tensile Stress at Break - Across Flow (73°F (23°C))	1280	psi	8.80	MPa	ISO 37
Elongation at Break - Across Flow (73°F (23°C))	480	%	480	%	ASTM D412
Tensile Strain at Break - Across Flow (73°F (23°C))	480	%	480	%	ISO 37