

Santoprene™ 201-67W171

Thermoplastic Vulcanizate

Product Description

A soft, colorable thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is specially formulated for low density foamed profile extrusion applications and has long term sealability, low temperature flexibility and heat weldability. This grade of Santoprene TPV is shear-dependent and is designed to be processed using specially adapted physical foam extrusion lines. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Can be foamed using water as the physical blowing agent or specific chemical blowing agents.
- Recommended for applications requiring excellent ozone resistance.

General

RoHS Compliance	▪ RoHS Compliant
Color	▪ Natural Color
Form(s)	▪ Pellets
Processing Method	Foam Extrusion

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density / Specific Gravity	0.960	0.960	ASTM D792
Density	0.960 g/cm ³	0.960 g/cm ³	ISO 1183

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness			ISO 868
Shore A, 15 sec, 73°F (23°C)	71	71	

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100% - Across Flow (73°F (23°C))	406 psi	2.80 MPa	ASTM D412
Tensile Stress at 100% - Across Flow (73°F (23°C))	406 psi	2.80 MPa	ISO 37
Tensile Strength at Break - Across Flow (73°F (23°C))	1000 psi	6.90 MPa	ASTM D412
Tensile Stress at Break - Across Flow (73°F (23°C))	1000 psi	6.90 MPa	ISO 37
Elongation at Break - Across Flow (73°F (23°C))	450 %	450 %	ASTM D412
Tensile Strain at Break - Across Flow (73°F (23°C))	450 %	450 %	ISO 37

