

SANTOPRENE™ 201-73W222 - TPV

Product Description

A soft, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good fluid and oxidative resistance for use in a wide range of applications. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- Recommended for applications requiring excellent flex fatigue resistance.
- Recommended for applications requiring excellent ozone resistance.

Characteristics

Color	Natural color
Delivery Form	Pellets
Processing	Blow molding, Coextrusion, Extrusion, Injection molding, Multi injection molding, Profile extrusion, Sheet extrusion

Physical properties	Value	Unit	Test Standard
Density	60.6	lb/ft ³	ASTM D792
Density	60.6	lb/ft ³	ISO 1183

Hardness	Value	Unit
Shore A hardness-TPE, 15s	77	

Mechanical properties	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	479	psi	ASTM D412
Tensile stress at 100%, perpendicular	479	psi	ISO 37
Elongation at break elast, perpendicular	460	%	ASTM D412
Tensile strain at break, perpendicular	460	%	ISO 37

Other text information

Processing Notes

Desiccant drying for 3 hours at 80°C (180°F) is recommended. Santoprene® TPV has a wide temperature processing window from 175 to 230°C (350 to 450°F) and is incompatible with acetal and PVC.