

SANTOPRENE® 121-70M350

SANTOPRENE®

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for gap filler applications requiring scratch resistance and good appearance. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- · Designed for fast, easy injection molding, especially for complex part geometries
- Used in sealing applications
- Recommended for applications requiring superior part surface appearance
- Designed to be injected at lower molding temperatures or at lower injection pressures

Product information

Resin Identification Part Marking Code	TPV >TPV<		ISO 1043 ISO 11469
Typical mechanical properties			
Tensile stress at 100% elongation, perpendicular	2.6	MPa	ISO 37
Stress at break, perpendicular	6.2	MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	480	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	70		ISO 48-4 / ISO 868
Compression set, 70°C, 24h	40	%	ISO 815
Physical/Other properties			
Density	930	kg/m³	ISO 1183
Injection			

Additional information

Ejection temperature

Processing Notes

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.

87 °C

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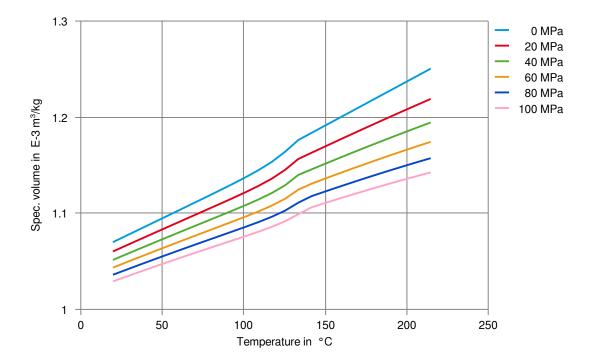
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Specific volume-temperature (pvT)



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