

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density / Specific Gravity	0.960	0.960	ASTM D792
Density	0.960 g/cm <sup>3</sup>	0.960 g/cm <sup>3</sup>	ISO 1183
Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness			ISO 868
Shore A, 15 sec, 73°F (23°C)	49	49	

## Product Datasheet



### Santoprene™ 111-45

Thermoplastic Vulcanizate

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100% - Across Flow (73°F (23°C))	203 psi	1.40 MPa	ASTM D412
Tensile Stress at 100% - Across Flow (73°F (23°C))	203 psi	1.40 MPa	ISO 37
Tensile Strength at Break - Across Flow (73°F (23°C))	508 psi	3.50 MPa	ASTM D412
Tensile Stress at Break - Across Flow (73°F (23°C))	508 psi	3.50 MPa	ISO 37
Elongation at Break - Across Flow (73°F (23°C))	340 %	340 %	ASTM D412
Tensile Strain at Break - Across Flow (73°F (23°C))	340 %	340 %	ISO 37
Tear Strength - Across Flow (73°F (23°C), Die C)	62.8 lbf/in	11.0 kN/m	ASTM D624
Tear Strength - Across Flow (73°F (23°C), Method Bb, Angle (Nicked))	63 lbf/in	11 kN/m	ISO 34-1
Compression Set (73°F (23°C), 22 hr, Type 1)	11 %	11 %	ASTM D395B
Compression Set (257°F (125°C), 70 hr, Type 1)	35 %	35 %	
Compression Set (73°F (23°C), 22 hr, Type A)	11 %	11 %	ISO 815
Compression Set (257°F (125°C), 70 hr, Type A)	35 %	35 %	
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Brittleness Temperature	-80 °F	-62 °C	ASTM D746
Brittleness Temperature	-80 °F	-62 °C	ISO 812
Electrical	Typical Value (English)	Typical Value (SI)	Test Based On
Dielectric Strength (73°F (23°C), 0.0787 in (2.00 mm))	690 V/mil	27 kV/mm	ASTM D149
Dielectric Constant (73°F (23°C), 0.0780 in (1.98 mm))	2.40	2.40	ASTM D150
Dielectric Constant (73°F (23°C), 0.0780 in (1.98 mm))	2.40	2.40	IEC 60250