

## Santoprene NSF-61

241-80

### Description

Santoprene NSF-61 grade is a Thermoplastic Elastomer (TPE) made from a cross link mixture of EPDM rubber and

### Engineering Data

80A		
Physical	Nominal Values	Test
Specific Gravity	1.24-	ASTM D792
Physical	Nominal Values	Test
Tensile Stress @ 100%	464 psi	ASTM D412
Tensile Str @ Break Elast	1040 psi	ASTM D412
Elongations @ Break Elast	410%	ASTM D412
Tear Strength	135 lb/in	ASTM D624
Tear Strength Temp	73.4 °F	-
Compression Set	27%	ASTM D395
Compression Set Temp	73.4 °F	-
Hardness	Nominal Values	Test
Durometer Hardness	A 80 -	ASTM D2240
Durometer Scale	A Scale -	-
Thermal	Nominal Values	Test
Continuous	-50 °F to 275 °F • 45 °C to 135 °C	-
Intermittent	-74 °F to 300 °F • 59 °C to 150 °C	-
Brittle Temperature	-69 °F	ASTM D746
Electrical	Nominal Values	Test
Dielectric Strength	498 V/mil	ASTM D149
Dielectrical Str. Thickness	125 mil	-
Dielectric Constant	2.44 -	ASTM D150
Arc Resistance	90 s	ASTM D495
Flammable	Nominal Values	Test
Flame Rating - UL, HB	-	UL 94

» Test results for the dielectric strength are based on tests performed on general purpose style 201-80 and would be expected to be the same for style 241-80 NSF.

» RoHS Compliant

» Exxon Mobil Santoprene®

### *Service is Our Business*

All technical advise and recommendation are rendered by Seller free of charge. While based on data believed to be reliable, seller assumes no responsibility.