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Di-*tert*-nonyl Polysulfide (TNPS 537)

Property	Typical Value	Specification	Test Method
Total Sulfur, wt%	37.0	35.0 – 39.0	ASTM D 4294
Mercaptan Sulfur Content, ppm	10	40 max	ASTM D 3227
Turbidity,	2	5 max	ASTM D 6181
Flash Point, °F (°C)	278 (136)	212 min (100)	ASTM D 93
Color	Light yellow	Yellow	Visual
Gardner Color	7	10 max	ASTM D 1544
Appearance	Clear with no particulate matter	Clear with no particulate matter	Visual

Other Properties

Density at 60 °F, g/mL	1.03		ASTM D 4052
Density at 20 °C, g/mL	1.036		
Viscosity at 40°C, cSt	35		ASTM D 445
Molecular Formula (main constituent)	$C_9H_{19}S_5C_9H_{19}$		
Molecular Weight, g/mol (main constituent)	414		
Active Sulfur, wt %	22 –26		ASTM D 1662-92
Soluble in	Hexane, toluene, white spirit		
Insoluble in	Water		
Odor	Mild		
Boiling Point at 14.7 psia	Decomposes		

Product Number: 1024555

Code/NR: DS35TNPS.3

Revised:23/11/05

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