

Dow Nordel® IP 4570 Radiator/Heater Hose

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

FormulationNordel® IP 4570

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4570-RadiatorHeater-Hose.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Mooney Viscosity	64 @Temperature 100 °C	64 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	9.30 MPa	1350 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	425 %	425 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00330 GPa	0.479 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.00790 GPa	1.15 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	37.1 kN/m	212 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	75 % @Temperature 100 °C	75 % @Temperature 212 °F	Pellets cured MDR TC95 + 15 min at 160°C, 22 hr at 100°C; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-43.0 °C	-45.4 °F	Temperature Retraction, TR-10

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