

Dow Nardel® IP 4725P Heat Resistant Molding

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

Material Notes:

FormulationNardel® IP 4725P

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nardel-IP-4725P-Heat-Resistant-Molding.php

Physical Properties	Metric	English	Comments
Density	1.064 g/cc	0.03844 lb/in ³	
Mooney Viscosity	48 @Temperature 100 °C	48 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	22.0 MPa	3190 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	502 %	502 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00400 GPa	0.580 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.00840 GPa	1.22 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.0132 GPa	1.91 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	43.7 kN/m	249 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	23 % @Temperature 125 °C	23 % @Temperature 257 °F	Pellets cured MDR TC95 + 15 min at 160°C, 70 hr at 125°C; Method B

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-26.0 °C	-14.8 °F	Temperature Retraction, TR-10

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