

Dow Nordel® IP 4725P General Purpose Molding

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

Material Notes:

FormulationNordel® IP 4725P

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4725P-General-Purpose-Molding.php

Physical Properties	Metric	English	Comments
Density	1.168 g/cc	0.04220 lb/in ³	
Mooney Viscosity	31 @Temperature 100 °C	31 @Temperature 212 °F	ML 1 + 4

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	Vulcanizate, Press cured, TC95 +3min at 160°C
Tensile Strength, Ultimate	13.4 MPa	1940 psi	Vulcanizate, Press cured, TC95 +3min at 160°C
Elongation at Break	360 %	360 %	Vulcanizate, Press cured, TC95 +3min at 160°C
100% Modulus	0.00550 GPa	0.798 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
200% Modulus	0.0103 GPa	1.49 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
300% Modulus	0.0128 GPa	1.86 ksi	Vulcanizate, Press cured, TC95 +3min at 160°C
Tear Strength	48.5 kN/m	277 pli	Die C, Vulcanizate, Press cured, TC95 +3min at 160°C
Compression Set	76 % @Temperature 125 °C	76 % @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	-21.0 °C	-5.80 °F	Temperature Retraction, TR-10

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