

Zeon Chemicals Zetpol® 2000LL Hydrogenated Nitrile Elastomer

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

Material Notes:

Zetpol 2000LL is the lowest Mooney version of a highly saturated copolymer of butadiene and acrylonitrile with high tensile strength, excellent heat resistance, good chemical resistance to aggressive fluids, and an excellent balance of properties over a wide variation of temperatures. Ultra-low Mooney version of Zetpol 2000. Excellent for transfer or injection molding. O-rings, seals, gaskets, blow-out preventers. FDA approved.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-2000LL-Hydrogenated-Nitrile-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	
Iodine Absorption Number	<= 7.0	<= 7.0	mg/100mg; ZCI-T-004
Mooney Viscosity	<= 60 @Temperature 100 °C	<= 60 @Temperature 212 °F	(1+4); ZCI-T-003
Ash	<= 0.50 %	<= 0.50 %	ZCI-T-005

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65 - 71	65 - 71	ZCI-T-009
Tensile Strength at Break	22.59 - 28.39 MPa	3277 - 4118 psi	ZCI-T-008
Elongation at Break	450 - 550 %	450 - 550 %	ZCI-T-008
300% Modulus	0.01080 - 0.01670 GPa	1.566 - 2.422 ksi	ZCI-T-008

Descriptive Properties	Value	Comments
% HYD	>99.5	
Bound ACN (% , acrylonitrile)	34.9-37.5	
Heat Loss (%) Max	0.5	

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