

Zeon Chemicals Zetpol® 1020 Hydrogenated Nitrile Elastomer

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

Material Notes:

Zeptol 1020 is a highly saturated copolymer of butadiene and acrylonitrile with high tensile strength, good heat resistance, good chemical resistance to aggressive fluids, and an excellent balance of properties over a wide variation of temperatures. Same as Zetpol 1010, except for lower saturation level allowing for sulfur curing. FDA approved.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-1020-Hydrogenated-Nitrile-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	
Iodine Absorption Number	20.3 - 28.5	20.3 - 28.5	mg/100mg; ZCI-T-004
Mooney Viscosity	71 - 85 @Temperature 100 °C	71 - 85 @Temperature 212 °F	(1+4); ZCI-T-003
Ash	<= 0.50 %	<= 0.50 %	ZCI-T-005

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70 - 78	70 - 78	ZCI-T-009
Tensile Strength at Break	20.50 - 30.50 MPa	2973 - 4423 psi	ZCI-T-008
Elongation at Break	420 - 520 %	420 - 520 %	ZCI-T-008
300% Modulus	0.01340 - 0.01740 GPa	1.943 - 2.523 ksi	ZCI-T-008

Descriptive Properties	Value	Comments
% HYD	91	
Bound ACN (% acrylonitrile)	42.9-45.5	
Heat Loss (%) Max	0.5	

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