

Zeon Chemicals Zetpol® 2020L Hydrogenated Nitrile Elastomer

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

Material Notes:

Zetpol 2020L 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. Low Mooney version of Zetpol 2020. Excellent for transfer or injection molding. FDA approved.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-2020L-Hydrogenated-Nitrile-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	
Iodine Absorption Number	23.2 - 32.8	23.2 - 32.8	mg/100mg; ZCI-T-004
Mooney Viscosity	50 - 65 @Temperature 100 °C	50 - 65 @Temperature 212 °F	(1+4); ZCI-T-003
Ash	<= 0.50 %	<= 0.50 %	ZCI-T-005

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67 - 75	67 - 75	ZCI-T-009
Tensile Strength at Break	20.0 - 30.0 MPa	2900 - 4350 psi	ZCI-T-008
Elongation at Break	430 - 530 %	430 - 530 %	ZCI-T-008
300% Modulus	0.01060 - 0.01460 GPa	1.537 - 2.117 ksi	ZCI-T-008

Descriptive Properties	Value	Comments
% HYD	91	
Bound ACN (% , acrylonitrile)	34.9-37.5	
Heat Loss (%) Max	0.5	

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