

Zeon Chemicals Zetpol® 2010 Hydrogenated Nitrile Elastomer

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

Material Notes:

Zetpol 2010 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. For O-rings, gaskets, seals, or oil field components requiring the best balance of heat and compression set. FDA approved.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-2010-Hydrogenated-Nitrile-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	
Iodine Absorption Number	8.0 - 14	8.0 - 14	mg/100mg; ZCI-T-004
Mooney Viscosity	78 - 92 @Temperature 100 °C	78 - 92 @Temperature 212 °F	(1+4); ZCI-T-003
Ash	<= 0.50 %	<= 0.50 %	ZCI-T-005

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66 - 74	66 - 74	ZCI-T-009
Tensile Strength at Break	25.19 - 31.19 MPa	3654 - 4524 psi	ZCI-T-008
Elongation at Break	350 - 510 %	350 - 510 %	ZCI-T-008
300% Modulus	0.01440 - 0.02239 GPa	2.088 - 3.248 ksi	ZCI-T-008

Descriptive Properties	Value	Comments
% HYD	96	
Bound ACN (% , acrylonitrile)	34.9-37.5	
Heat Loss (%) Max	0.5	

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