

## Zeon Chemicals Zetpol® 1010 Hydrogenated Nitrile Elastomer

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

**Material Notes:**

Zetpol 1010 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 fuel-resistant hoses, diaphragms, and seals. Automotive and industrial refrigerant applications, FDA approved.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zeon-Chemicals-Zetpol-1010-Hydrogenated-Nitrile-Elastomer.php](http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-1010-Hydrogenated-Nitrile-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	
Iodine Absorption Number	7.0 - 13	7.0 - 13	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	>= 67	>= 67	ZCI-T-009
Tensile Strength at Break	>= 19.50 MPa	>= 2828 psi	ZCI-T-008
Elongation at Break	>= 300 %	>= 300 %	ZCI-T-008
300% Modulus	>= 0.009797 GPa	>= 1.421 ksi	ZCI-T-008

Descriptive Properties	Value	Comments
% HYD	96	
Bound ACN (% , acrylonitrile)	42.9-45.5	
Heat Loss (%) Max	0.5	

## Contact Songhan Plastic Technology Co.,Ltd.

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