

Zeon Chemicals Zetpol® 2010L Hydrogenated Nitrile Elastomer

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

Material Notes:

Zetpol 2010L is a low-Mooney version of 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 2010. Excellent for transfer or injection molding. FDA approved.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zeon-Chemicals-Zetpol-2010L-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 | 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 | >= 62 | >= 62 | ZCI-T-009 |
| Tensile Strength at Break | >= 19.50 MPa | >= 2828 psi | ZCI-T-008 |
| Elongation at Break | >= 350 % | >= 350 % | ZCI-T-008 |
| 300% Modulus | >= 0.009797 GPa | >= 1.421 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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