

**Evonik Corporation Vestoran® RD 3731 XNBR Rubber/Plastic Composite**

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

**Material Notes:**

Formulation Nipol® 1472 (or Chemigum® NX 775)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-Vestoran-RD-3731-XNBR-RubberPlastic-Composite.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestoran-RD-3731-XNBR-RubberPlastic-Composite.php)

Physical Properties	Metric	English	Comments
Viscosity Measurement	>= 1.4	>= 1.4	Rheometer, t<sub>10</sub>
	@Temperature 180 °C	@Temperature 356 °F	
	>= 3.8	>= 3.8	Rheometer, t<sub>90</sub>
	@Temperature 180 °C	@Temperature 356 °F	
Mooney Viscosity	56	56	ML (1 + 4)
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	
	70	70	
	@Temperature 75.0 °C	@Temperature 167 °F	
Tensile Strength at Break	11.7 MPa	1700 psi	
Elongation at Break	314 %	314 %	
100% Modulus	0.00640 GPa	0.928 ksi	
200% Modulus	0.00990 GPa	1.44 ksi	
Rebound	27 %	27 %	23°C
Tear Strength	28.0 kN/m	160 pli	Tear Propagation Resistance (Ring)
Compression Set	8.0 %	8.0 %	22 hr;70°C

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