

Evonik Corporation Vestoran® RD 5010 NR/SBR Rubber/Plastic Composite

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

Material Notes:

FormulationNR

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestoran-RD-5010-NRSBR-RubberPlastic-Composite.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	>= 1.5	>= 1.5	Rheometer, t₁₀
	@Temperature 180 °C	@Temperature 356 °F	
	>= 3.0	>= 3.0	Rheometer, t₉₀
	@Temperature 180 °C	@Temperature 356 °F	
Mooney Viscosity	38	38	ML (1 + 4)
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	
	56	56	
	@Temperature 75.0 °C	@Temperature 167 °F	
Tensile Strength at Break	14.2 MPa	2060 psi	
Elongation at Break	374 %	374 %	
100% Modulus	0.00230 GPa	0.334 ksi	
200% Modulus	0.00620 GPa	0.899 ksi	
300% Modulus	0.0116 GPa	1.68 ksi	
Rebound	58 %	58 %	23°C
	75 %	75 %	75°C
Tear Strength	43.0 kN/m	245 pli	Tear Propagation Resistance (Ring)

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