DuPont Performance Polymers Neoprene GW Polychloroprene

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

Material Notes:

DuPont™ Neoprene GW is a sulfur-modified polychloroprene stabilized with a thiuram disulfide. The crystallization rate of Neoprene GW is slightly faster than that of Neoprene GRT. Compounds of Neoprene GW cured with metal oxides alone have excellent processing safety, yet cure rapidly. Although not required, cure accelerators can be used and are advantageous for some applications. Properly compounded vulcanizates of Neoprene GW have high resilience and excellent flex cracking resistance, and the best tear strength of any type of Neoprene. Among the G types, vulcanizates of Neoprene GW are characterized by exceptionally good retention of properties after heat-aging. Compression set resistance is significantly improved over that of other G types, although it is not as good as that of thiourea-cured W types. Neoprene GW breaks down, or softens, to a lesser degree than other G types. compounds based on Neoprene GW will therefore exhibit a higher viscosity than similarly loaded compounds based on Neoprene GNA or GRT. Because of the higher compound viscosity, stocks based on Neoprene GW are slightly less sticky and have slightly less building tack than stocks based on other G types. Compounds of Neoprene GW have approximately the same viscosity as do similarly loaded compounds of Neoprene W.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Neoprene-GW-Polychloroprene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D7920-66
Mooney Viscosity	37 - 49 @Temperature 100 °C	37 - 49 @Temperature 212 °F	ML (1+10); ASTM D1646-81

Descriptive Properties	Value	Comments
Color	Light amber	
Crystallization Rate	Slow	
Form	Chips	
Odor	Mild, characteristic	
Storage Stability	Good	May undergo viscosity changes. Store under cool conditions and keep storage to a minimum.

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