

DuPont Performance Polymers Hypalon® 48 Chlorosulfonated Polyethylene Rubber, General Description (discontin

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

Material Notes:

Product form is white, odorless chips. Distinguishing Feature: High polymer viscosity. Excellent oil and fluids resistance. High uncured strength. 43 % Chlorine Content. 1% Sulfur Content. Excellent Abrasion Resistance. Excellent Chemical Resistance. Fair/Good Compression Set Resistance. Very Good Flame Resistance. Good Heat Resistance. Excellent Ozone Resistance. Excellent Petroleum Oil Resistance. Excellent Weather Resistance. Poor Low Temperature Properties. Good Tear Strength. Processing: Good Extrusion. Good Molding. Good Calendering. Physical property data below (except viscosity and density) are for vulcanizate. MatWeb also has entries for various compounds of the Hypalon® grade. General Hypalon® Information: Vulcanizates of this chlorosulfonated polyethylene synthetic rubber are highly resistant to ozone, oxygen, weather, heat, oil, and chemicals. Hypalon resists discoloration on exposure to light and is widely used in light-colored vulcanizates. It can be compounded to give excellent mechanical properties. Several grades are available, all of which may be processed and used in the usual manner for solid elastomeric vulcanizates. Various grades of Hypalon have been used in single-ply roofing systems; auto power steering and oil cooler hoses; chemical-resistant liners; cable sheathing; and other coatings. Information provided by DuPont Dow Elastomers. This former DuPont Dow Elastomers product line is now produced by DuPont Performance Elastomers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hypalon-48-Chlorosulfonated-Polyethylene-Rubber-General-Description-nbspdiscontinuu.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	
Mooney Viscosity	78 @Temperature 100 °C	78 @Temperature 212 °F	ML 1 + 4; ASTM D1646-81

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 95	60 - 95	ASTM D2240-81
Tensile Strength, Ultimate	<= 27.6 MPa	<= 4000 psi	With carbon black or gum stocks. ASTM D412-80

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