

DuPont Performance Polymers Hypalon® 20 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: Readily soluble in common solvents. Good low temperature flexibility. 29 % Chlorine Content. 1.4% Sulfur Content. Very Good Abrasion Resistance. Good Chemical Resistance. Fair Compression Set Resistance. Fair Flame Resistance. Very Good Heat Resistance. Excellent Ozone Resistance. Fair Petroleum Oil Resistance. Excellent Weather Resistance. Good Low Temperature Properties. Fair Tear Strength. Processing: Fair Extrusion. Good Molding. Fair 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-20-Chlorosulfonated-Polyethylene-Rubber-General-Description-nbspdiscontin.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
Mooney Viscosity	28 @Temperature 100 °C	28 @Temperature 212 °F	ML 1 + 4; ASTM D1646-81

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 95	45 - 95	ASTM D2240-81
Tensile Strength, Ultimate	<= 20.6 MPa	<= 2990 psi	With carbon black or gum stocks. ASTM D412-80

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