

DuPont Performance Polymers Hypalon® 4085 Chlorosulfonated Polyethylene Rubber, General Description (disconti

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

Material Notes:

Product form is white, odorless chips. Distinguishing Feature: High polymer viscosity. Good green strength. Improves processing of soft or highly extended stocks. 36 % Chlorine Content. 1% Sulfur Content. Excellent Abrasion Resistance. Excellent Chemical Resistance. Good Compression Set Resistance. Good Flame Resistance. Very Good Heat Resistance. Excellent Ozone Resistance. Good Petroleum Oil Resistance. Excellent Weather Resistance. Good Low Temperature Properties. Good Tear Strength. Processing: Excellent Extrusion. Excellent Molding. Excellent 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.

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http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hypalon-4085-Chlorosulfonated-Polyethylene-Rubber-General-Description-nbspdisconti.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	
Mooney Viscosity	94 @Temperature 100 °C	94 @Temperature 212 °F	ML 1 + 4; ASTM D1646-81

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 95	40 - 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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