

DuPont Performance Polymers Hypalon® 45 Chlorosulfonated Polyethylene Rubber, Gum Compound (discontinued **)&

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

Material Notes:

Gum compound with 100 parts Hypalon; 4 parts high activity magnesia; 3 parts pentaerythritol; and 2 parts Tetrone® A rubber accelerator (from DuPont Dow Elastomers). Reinforcing fillers not needed due to relatively high tensile strength of gum vulcanizate. Physical property data below (except mooney viscosity) are for vulcanizate cured 30 min. at 153°C. MatWeb has other entries for different compounds of this 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-45-Chlorosulfonated-Polyethylene-Rubber-Gum-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	45 @Temperature 100 °C	45 @Temperature 212 °F	ML 1+4. Stock property.; ASTM D1646-81

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240-81
Tensile Strength, Ultimate	24.6 MPa	3570 psi	ASTM D412-80
Elongation at Break	480 %	480 %	ASTM D412-80
100% Modulus	0.00300 GPa	0.435 ksi	ASTM D412-80
Graves Tear Strength	37.2 kN/m	212 pli	Die C; ASTM D642-54

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