

DuPont Performance Polymers Hypalon® 20 Chlorosulfonated Polyethylene Rubber, Carbon Black Filled Compound (d)

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

Material Notes:

Carbon black compound with 100 parts Hypalon; 27.8 parts sublimed litharge dispersion; 55 parts carbon black; 55 parts aromatic process oil; 0.5 parts MTBS; and 2 parts Tetrone® A rubber accelerator (from DuPont Dow Elastomers). 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-20-Chlorosulfonated-Polyethylene-Rubber-Carbon-Black-Filled-Compound-nbspd.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	25 @Temperature 100 °C	25 @Temperature 212 °F	ML 1+4. Stock property.; ASTM D1646-81

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	ASTM D2240-81
Tensile Strength, Ultimate	12.0 MPa	1740 psi	ASTM D412-80
Elongation at Break	180 %	180 %	ASTM D412-80
100% Modulus	0.00480 GPa	0.696 ksi	ASTM D412-80
Resilience	65	65	% Yerzley; ASTM D945-77
Graves Tear Strength	120 kN/m	685 pli	Die C; ASTM D642-54
Abrasion	175	175	NBS Abrasion Index; ASTM D1630-74.
Compression Set	34 % @Temperature 70.0 °C	34 % @Temperature 158 °F	22 hr at 70°C original. Method B. ASTM D395-69.

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-53.0 °C	-63.4 °F	Brittleness Temperature

Brittleness Temperature Thermal Properties	-53.0 °C Metric	-63.4 °F English	Wide variability between samples is observed. ASTM D746 Comments
Clash Berg Stiffness Temperature	-23.0 °C	-9.40 °F	T-10000 Torsional stiffness ASTM D1043-72(1981)

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China