

DuPont™ Surlyn® 9320W Ionomer Resin, Zinc (discontinued **)

Category : Polymer , Thermoplastic , Ionomer , Ionomer, Molded

Material Notes:

Surlyn® 9320W thermoplastic resin is an advanced ethylene/methacrylic acid (E/MAA) copolymer, in which the MAA acid groups have been partially neutralized with zinc ions. This very low modulus zinc grade has low hardness and very low stiffness. Increased flexibility is achieved by incorporating a third co-monomer into the resin during polymerization. The resin can be used alone or in combination with other grades of Surlyn® to provide varying degrees of flexibility, softness and toughness. It can be used as a modifier that yields supertough properties in nylon 6 and 6/6 resins. In golf ball covers, the resin provides a softer feel and imparts greater spin when the ball is in contact with the club face. The resin can be blow molded or extruded into sheets or shapes, but is usually injection molded in blends with other polymers. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Surlyn-9320W-Ionomer-Resin-Zinc-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in³	ASTM D792
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	15.9 MPa	2310 psi	ASTM D638
Elongation at Break	525 %	525 %	ASTM D638
Flexural Modulus	0.0296 GPa	4.29 ksi	ASTM D790
Abrasion	169	169	NBS Index; ASTM D1630

Thermal Properties	Metric	English	Comments
Melting Point	70.0 °C	158 °F	DSC
Vicat Softening Point	48.0 °C	118 °F	Rate B, ASTM D1525-70

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