

DuPont™ Surlyn® 8670 Ionomer Resin, Sodium (discontinued **)

Category : Polymer , Thermoplastic , Ionomer , Ionomer, Molded

Material Notes:

Surlyn® 8670 thermoplastic resin is an advanced ethylene/methacrylic acid (E/MAA) copolymer, in which the MAA acid groups have been partially neutralized with sodium ions. The amount of MAA and neutralization levels for this grade are optimized for ease of cryogenic grinding and optimum flow properties as a powder coating for glass. The resin also can be injection molded. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Surlyn-8670-Ionomer-Resin-Sodium-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Elongation at Break	494 %	494 %	ASTM D638
Flexural Modulus	0.159 GPa	23.1 ksi	ASTM D790
Izod Impact, Notched	4.80 J/cm	8.99 ft-lb/in	ASTM D256
Abrasion	170	170	NBS Index; ASTM D1630

Thermal Properties	Metric	English	Comments
Melting Point	100 °C	212 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	34.0 °C	93.2 °F	ASTM D648
Vicat Softening Point	71.0 °C	160 °F	Rate B, ASTM D1525-70

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