

## DuPont Surlyn® 8945 Thermoplastic Ionomer Resin

Category : Polymer , Thermoplastic , Ionomer , Ionomer, Molded

### Material Notes:

Surlyn® 8945 provides high flow properties and consistent, easy processing in molded and extruded applications. It is positioned in the medium/high acid, high neutralization area of the ionomer spectrum. Surlyn® 8945 is ideal for applications where fast molding cycles at reduced molding temperatures are desired. The high flow characteristics also facilitate molding in thin sections. Surlyn® 8945 provides good cut resistance and high resiliency, particularly when used in blends with different cations, such as with surly® 9945. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Surlyn-8945-Thermoplastic-Ionomer-Resin.php](http://www.lookpolymers.com/polymer_DuPont-Surlyn-8945-Thermoplastic-Ionomer-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Melt Index of Compound	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength at Break	22.1 MPa	3210 psi	ASTM D638
Tensile Strength, Yield	15.9 MPa	2310 psi	ASTM D638
Elongation at Break	330 %	330 %	ASTM D638
Flexural Modulus	0.448 GPa	65.0 ksi	ASTM D790(B)

Thermal Properties	Metric	English	Comments
Melting Point	47.0 - 88.0 °C	117 - 190 °F	ASTM D3418(DSC)
Vicat Softening Point	71.0 °C	160 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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