Escor™ 5080

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 5080 resin is an ethylene acrylic acid copolymer characterized by high melt index and 10 wt% acrylic acid comonomer content. Escor™ 5080 resin easily combines processing and adhesion to polar materials. It can be formulated and UV-stabilized for use in outdoor applications.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Adhesive Applications ▪ Heat Seal Layer	▪ Masterbatch Base Resin ▪ Powder Coating to Polar Substrates	
Revision Date	▪ 07/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.937	g/cm³	0.937	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	30	g/10 min	30	g/10 min	ASTM D1238
Acrylic Acid Content	10	wt%	10	wt%	ExxonMobil Method
Peak Melting Temperature	203	°F	95	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	161	°F	71	°C	ASTM D1525

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638 : Type IV dumbbell, Hardness ASTM D2240 : 3 plied up disks) and 2 plied up 2 mm (157 mil) for Vicat. To minimize corrosion risk, all exposed metal surfaces in the extruder and die should be made from corrosion resistant metals or nickel/chrome plated. Escor™ resin should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be completely purged with LDPE preferably with a lower melt flow than the Escor™ grade in use or a suitable cleaning compound before shutdown. Never shutdown the equipment with Escor™ resin.

Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D1238.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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