PRIMACOR™ 3003

Copolymer

Introduction

PRIMACOR™ 3003 Copolymer is an ethylene acrylic acid copolymer which has been specifically designed by SK for use as an adhesive or sealant layer in extrusion coating and extrusion lamination.

PRIMACOR™ 3003 Copolymer exhibits:

- Excellent draw-down and edge stability
- Excellent organoleptic properties
- Excellent toughness and strength
- Outstanding environmental stress crack and product resistance
- Excellent hot-tack and sealability
- Adhesion to paper, paperboard, metals and polyethylenes
- Insensitivity to moisture

Applications:

- Flexible packaging laminates
- Liquid packaging board laminates

Complies with:

- US. FDA 21 CFR 177.1310(a)(1)
- EU. No 10/2011

Additives:

- Antiblock: No
- Slip: No

Properties

		Nominal Value (English)	Nominal Value (SI)	Test Method
Resin Properties	Density	0.935 g/cm^3	0.935 g/cm^3	ASTM D792 ISO 1183
	Melt Index (2.16 kg @190°C)	7.8 g/10min	7.8 g/10min	ASTM D1238 ISO 1133
	Comonomer Content[1]	6.5 %	6.5 %	SK Method
	Vicat Softening Temperature	194 °F	90.0 °C	ASTM D1525 ISO 306/A
	Melting Temperature (DSC)	212 °F	100 °C	SK Method

Copyright SK

Technical Information

		Nominal Value (English)	Nominal Value (SI)	Test Method
Film Properties	Seal Initiation Temperature[2]	194 °F	90.0 °C	SK Method
Mechanical Properties	Tensile Modulus - 2% Secant (Compression Molded)	18900 psi	130 MPa	ASTM D638 ISO 527-2
	Tensile Strength at Yield (Compression Molded)	1090 psi	7.50 Mpa	ASTM D638 ISO 527-2
	Tensile Strength at Break (Compression Molded)	2610 psi	18.0 Mpa	ASTM D638 ISO 527-2
	Tensile Elongation at Break (Compression Molded)	590 %	590 %	ASTM D638 ISO 527-2
Extrusion	Melt Temperature	500-554 °F	260-290 °C	-
	Minimum Coating Weight (554°F (290°C))	4.9 lb/ream	8.0 g/m^2	SK Method
	Neck-in[3] (554°F (290°C))	1.8 in	45.7 mm	SK Method

[1] Comonomer content measured by a SK proprietary method that has equivalent accuracy as compared to ASTM D 4094.
[2] 25 g/m^2 coatings at 290°C set temperature
[3] at 100 m/min, 25 g/m^2 coatings

Notes
These are ***typical values*** and are ***not be construed as specifications***. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

For additional sales, order and technical assistance

Customer Service Representative cseurope@sk.com csamericas@sk.com

Asia Pacific
Shanghai (Head Quarter) +86-21-6197-0243
Shanghai (TS&D) +86-21-6197-0128
Seoul +82-2-2121-6745
Tokyo +81-3-3591-0343

Southeast Asia/Australia
Singapore +65-6671-1566

America
Houston +1-713-850-0005

Europe
Paris www.sk-fp.com
Madrid +34-910477688

Middle East/Africa
Dubai +971-4-252-5277

Copyright SK