

Dow AFFINITY™ FM 1570 Polyolefin Plastomer

Category : Polymer , Film , Thermoplastic , Elastomer , TPE

Material Notes:

AFFINITY® FM 1570 polyolefin plastomer is an ethylene alpha-olefin resin designed to provide film products with excellent sealability and high hot tack strength, outstanding blown film optics, and exceptional toughness. Applications include laminated film products or sealant layers in flexible packaging structures. AFFINITY FM 1570 polymer has excellent compatibility with other polyolefins, allowing efficient blending and coextrusion. AFFINITY FM 1570 polymer complies with FDA regulation 21 CFR 177.1520 c3.2a, which allows for its use in direct food contact applications. Film properties below based on a film thickness of 51 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-AFFINITY-FM-1570-Polyolefin-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in³	
Thickness	51.0 microns	2.01 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg	1.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 10.5.

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	640 %	640 %	
Film Elongation at Break, TD	670 %	670 %	
Elmendorf Tear Strength MD	360 g	360 g	
Elmendorf Tear Strength TD	760 g	760 g	
Elmendorf Tear Strength, MD	7.10 g/micron	180 g/mil	
Elmendorf Tear Strength, TD	14.9 g/micron	378 g/mil	
Film Tensile Strength at Break, MD	51.4 MPa	7450 psi	
Film Tensile Strength at Break, TD	43.9 MPa	6370 psi	

Optical Properties	Metric	English	Comments
Haze	4.9 %	4.9 %	
Gloss	78 %	78 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	100 °C	212 °F	Seal Initiation temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China