

Braskem FH35 HDPE Cast Film Extrusion Polyethylene Copolymer

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

The FH35 resin is a high-density polyethylene, copolymer of butene-1, produced by the solution process for flat die film extrusion with good mechanical properties. It contains antioxidant additives. Its applications include diapers, sanitary napkins, and other specialties. The FH35 resin is indicated to be in cast die film extruders under processing conditions comparable to the other linear medium density polyethylene of similar fluidity and density.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-FH35-HDPE-Cast-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM-D792
Melt Flow	4.9 g/10 min @Load 2.16 kg, Temperature 190 °C	4.9 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1350 %	1350 %	ASTM-D882
Film Elongation at Break, TD	430 %	430 %	ASTM-D882
Elmendorf Tear Strength MD	13 g	13 g	ASTM-D1922
Elmendorf Tear Strength TD	20 g	20 g	ASTM-D1922
Elmendorf Tear Strength, MD	0.520 g/micron	13.2 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	0.800 g/micron	20.3 g/mil	ASTM-D1922
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM-D882
1% Secant Modulus, MD	490 MPa	71100 psi	ASTM-D882
1% Secant Modulus, TD	540 MPa	78300 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	66 %	66 %	ASTM-D1003
Gloss	16 %	16 %	Angle 60°; ASTM-D2457

Descriptive Properties	Value	Comments
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Temperature Profile (°C) Descriptive Properties	180-250 Value	Extrusion Comments
	250-290	Die Head and Die

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