

Equate EGDA-6888 HDPE Film Extrusion Resin

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

Material Notes:

EGDA-6888 is a high molecular weight, high density polyethylene copolymer that has been designed specifically for tubular film extrusion. Its broad molecular weight distribution and density have been optimized to give excellent bubble stability at high extrusion rates with high film strength and rigidity. The combination of high strength and excellent drawdown-ability makes EGDA-6888 ideal for down gauging in many applications. Applications: Tubular films produced from EGDA-6888 are recommended for high strength grocery sacks, shopping bags, produce bags and high quality thin films for multiwall sack liners and replacements for thin paper products. Films are nearly gel-free and have excellent treatability. They are suited for printing of high quality graphics. Information provided by Equate

Order this product through the following link:

http://www.lookpolymers.com/polymer_Equate-EGDA-6888-HDPE-Film-Extrusion-Resin.php

Physical Properties	Metric	English	Comments
Bulk Density	0.560 g/cc	0.0202 lb/in ³	ASTM D1895
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D792
Thickness	15.0 microns	0.591 mil	As Tested
High Load Melt Index	10 g/10 min @Load 21.6 kg	10 g/10 min @Load 47.6 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	380 % @Thickness 0.0150 mm	380 % @Thickness 0.000591 in	ASTM D882
Film Elongation at Break, TD	550 % @Thickness 0.0150 mm	550 % @Thickness 0.000591 in	ASTM D882
Elmendorf Tear Strength, MD	70.0 g/micron @Thickness 0.0150 mm	1780 g/mil @Thickness 0.000591 in	ASTM D1922
Elmendorf Tear Strength, TD	150 g/micron @Thickness 0.0150 mm	3810 g/mil @Thickness 0.000591 in	ASTM D1922
Dart Drop	11.3 g/micron @Thickness 0.0150 mm	287 g/mil @Thickness 0.000591 in	ASTM D1709 A
Dart Drop Test	170 g	0.375 lb	F50; ASTM D1709 A

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	@Thickness 0.0150 mm	@Thickness 0.000591 in	ASTM D882
Film Tensile Strength at Break, TD	57.0 MPa @Thickness 0.0150 mm	8270 psi @Thickness 0.000591 in	ASTM D882
1% Secant Modulus, MD	1220 MPa @Thickness 0.0150 mm	177000 psi @Thickness 0.000591 in	ASTM D882
1% Secant Modulus, TD	1470 MPa @Thickness 0.0150 mm	213000 psi @Thickness 0.000591 in	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	Equate Test Method

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	4.0	4.0	4:1 As Tested

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