

ExxonMobil Escorene® HD-7835 MMW-HDPE Blown Film Resin (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A medium molecular weight HDPE blown film resin. Films made from the HD-7835 exhibit an excellent stiffness balance. HD-7835 is particularly recommended for films 0.5 mil or greater in thickness. Applications: Oriented film products; Box liners; Protective packaging; Deli wrap. Data for film properties below based on 0.5 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-HD-7835-MMW-HDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	Exxon Method
Thickness	12.7 microns	0.500 mil	
Melt Flow	0.35 g/10 min	0.35 g/10 min	Exxon Method (I2). HLMI (I21) is 20 g/10 min.

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	33.0 MPa	4790 psi	ASTM D882
Film Tensile Strength at Yield, TD	30.0 MPa	4350 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	400 %	400 %	ASTM D882
Secant Modulus, MD	1.24 GPa	180 ksi	ASTM D882
Secant Modulus, TD	1.275 GPa	184.9 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.315 g/micron	8.00 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	9.06 g/micron	230 g/mil	ASTM D1922
Dart Drop	1.57 g/micron	40.0 g/mil	F50; ASTM D-1709
Film Tensile Strength at Break, MD	71.0 MPa	10300 psi	ASTM D882
Film Tensile Strength at Break, TD	56.0 MPa	8120 psi	ASTM D882

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