

ExxonMobil Escorene® HD-7756 HMW-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 high molecular weight HDPE blown film resin. Films made from HD-7756 exhibit excellent impact and toughness properties as well as high stiffness. HD-7756 is particularly recommended for films less than 0.5 mil in thickness. Applications: Retail carry-out sacks; Merchandise bags; Institutional can liners; Consumer trash bags. 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-7756-HMW-HDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.9535 g/cc	0.03445 lb/in ³	Exxon Method
Thickness	12.7 microns	0.500 mil	
Melt Flow	0.055 g/10 min	0.055 g/10 min	Exxon Method (I2). HLMI (I21) is 9 g/10 min.

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	42.0 MPa	6090 psi	ASTM D882
Film Tensile Strength at Yield, TD	34.0 MPa	4930 psi	ASTM D882
Film Elongation at Break, MD	270 %	270 %	ASTM D882
Film Elongation at Break, TD	430 %	430 %	ASTM D882
Secant Modulus, MD	1.285 GPa	186.4 ksi	ASTM D882
Secant Modulus, TD	1.415 GPa	205.2 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.394 g/micron	10.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	5.51 g/micron	140 g/mil	ASTM D1922
Dart Drop	16.9 g/micron	430 g/mil	F50; ASTM D-1709
Film Tensile Strength at Break, MD	95.0 MPa	13800 psi	ASTM D882
Film Tensile Strength at Break, TD	66.0 MPa	9570 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	264 °F	Exxon Method

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