

ExxonMobil Escorene® LD 705.MJ Molding, extrusion and compounding resin

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Extrusion/Coating Grade

Material Notes:

Escorene Ultra LD 705.MJ is a fraction melt index, 13.3 wt% vinyl acetate copolymer suitable for use in making blow molded articles, extruded profiles and compounds. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-705MJ-Molding-extrusion-and-compounding-resin.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	13.3 %	13.3 %	ExxonMobil Method
Melt Flow	0.400 g/10 min @Load 2.16 kg, Temperature 190 °C	0.400 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	15s; ASTM D2240
Hardness, Shore D	39	39	15s; ASTM D2240
Tensile Strength at Break	15.5 MPa	2250 psi	ASTM D638
Tensile Strength, Yield	6.31 MPa	915 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Elongation at Yield	180 %	180 %	ASTM D638
Flexural Modulus	0.0876 GPa	12.7 ksi	1% secant; ASTM D790
Impact Test	19.0 J @Temperature 23.0 °C	14.0 ft-lb @Temperature 73.4 °F	Instrument Impact, Total Energy; ASTM D3763
	32.5 J @Temperature -40.0 °C	24.0 ft-lb @Temperature -40.0 °F	Instrumented Impact, Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	93.9 °C	201 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	77.2 °C	171 °F	ASTM D1525

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