

ExxonMobil Escorene® LL-5002 LLDPE Compounding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Compounding Resin

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A linear low density polyethylene resin designed to provide good processability and ease of blending. LL-5002 also exhibits good toughness and environmental stress crack resistance. Applications: Color concentrates; Slip and antiblock masterbatches.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-5002-LLDPE-Compounding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50, Igepal, Condition C; ASTM D1693
Melt Flow	2.0 g/10 min	2.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength, Ultimate	21.0 MPa	3050 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	800 %	800 %	
Flexural Modulus	0.218 GPa	31.6 ksi	ASTM D790
Tensile Impact Strength	231 kJ/m ²	110 ft-lb/in ²	23°C; ASTM D-1822
Dart Drop, Total Energy	37.0 J @Temperature -40.0 °C	27.3 ft-lb @Temperature -40.0 °F	F50; ASTM D-3029

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	Exxon Method
Brittleness Temperature	-70.0 °C	-94.0 °F	ASTM D746

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