

ExxonMobil Escorene® LL-5102 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. The granular form of LL-5102 makes for efficient blending with pigments, slip additives and antiblock additives. Applications: Color concentrates; Slip and antiblock masterbatches.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-5102-LLDPE-Compounding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	250 hour	250 hour	F50, Igepal, Condition C; ASTM D-1693
Melt Flow	22 g/10 min	22 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength, Ultimate	20.0 MPa	2900 psi	ASTM D638
Tensile Strength, Yield	12.0 MPa	1740 psi	ASTM D638
Elongation at Break	345 %	345 %	
Flexural Modulus	0.335 GPa	48.6 ksi	ASTM D790
Tensile Impact Strength	84.0 kJ/m ²	40.0 ft-lb/in ²	23°C; ASTM D-1822
Dart Drop, Total Energy	29.0 J @Temperature -40.0 °C	21.4 ft-lb @Temperature -40.0 °F	F50; ASTM D-3029

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Exxon Method
Brittleness Temperature	-68.0 °C	-90.4 °F	ASTM D746

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