

ExxonMobil™ LDPE LD 516.LN

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 516.LN is a low density polyethylene resin with medium melt index developed for color masterbatch and masterbatch. Its fluidity can ensure the improvement of the processability of color masterbatch and masterbatch and the uniform distribution of additives in it. The resin can also be used for injection molding purposes, which can make the injection molding material have balanced processability and end-use performance.

General Information			
UL YellowCard	E116487-219930		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	89		ASTM D2240
Shaw D, 15 seconds	42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	11.0	MPa	ASTM D638
Fracture	7.86	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	33	%	ASTM D638
Fracture	200	%	ASTM D638
Flexural Modulus - 1% Secant	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-20°C	23.0	J	ASTM D3763
23°C	17.6	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525
Legal statement			

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