

ExxonMobil™ LDPE LD 617.LN

Low Density Polyethylene Resin
ExxonMobil Chemical

Message:

LD 617.LN is a high-fluidity low-density polyethylene homopolymer resin with excellent processability, flexibility and appearance. The multi-purpose resin is a high-performance engineering material used for household utensils, bottle caps, closures and concentrates.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	86		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	7.58	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	30	%	ASTM D638
Fracture	120	%	ASTM D638
Flexural Modulus - 1% Secant	235	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-20°C	19.0	J	ASTM D3763
23°C	16.3	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ASTM D1525
Legal statement			

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