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ExxonMobil® LL 6201.19

Linear low-density polyethylene (LLDPE) resins are used to produce a wide range of products. They are commonly processed neat or in blends with LDPE and/or HDPE. Benefits: Versatile and cost effective, Lower seal initiation temperature balanced with mechanical properties, Can reduce costs in high-performance structures. LL 6201.19 is a narrow molecular weight butene copolymer designed for applications that require very easy processability in thin walled parts. This resin offers excellent toughness and tear resistance in freezer applications for food packaging.

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in³	ASTM D1505
ESCR 10% Igepal®	30 hour	30 hour	F_{50}; ASTM D1693B
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 190 °C	50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	80 %	80 %	ExxonMobil Method
Flexural Modulus	0.421 GPa	61.0 ksi	2% secant; ASTM D790B
Flexural Modulus, 1% Secant	469 MPa	68000 psi	ASTM D790B

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Peak; ExxonMobil Method
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525