

LLDPE 6301

Technical Datasheet

1) Product Description:

LL 6301 series are medium density LLDPE grades, with a relatively high molecular weight, resulting in molded articles which are very tough and exhibit excellent environmental stress cracking resistance. When compared to LDPE grades of equivalent density, LL 6301 grades exhibits a higher heat deflection temperature and a significantly greater resistance to long term creep.

2) Applications:

caps, threaded closures, technical parts

3) Typical data:

Property	Test method	Unit	value
Melt Index (190°C/2.16 kg)	-	g/10 min	5.0
Density	ASTM D1505	g/cm ³	0.936
Peak Melting Temperature	-	°C	125
Vicat Softening Temperature	ISO 306	°C	114
Tensile Stress at Yield	ISO 527-2	MPa	15
Tensile Strain at Yield	ISO 527-2	%	10
Tensile Strain at Break	ISO 527-2	%	>100
Flexural Modulus	ISO 178	MPa	470
Environmental Stress-Crack Resistance (50°C, 10% Igepal)	ASTM D1693	hr	40
Notched Izod Impact Strength	ISO 180	kJ/m ²	32

* Typical values not to be construed as specifications.