INEOS LLDPE LL6608LJ

Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

LL6608LJ has been developed for the production of mailing film, carrier, bread and produce bags.
LL6608LJ is a linear low density polyethylene copolymer containing hexene-1 as the co-monomer. It offers the following properties:
Optimum balance between stiffness and film strength
Good optical properties
Good bubble stability
Excellent sealability and hot-tack strength
LL6608LJ offers high slip film with easy opening properties when used pure in the thickness range 30 to 70 µm. Addition of other polymers, masterbatch and pigments, or the use of other thicknesses may alter film slip and antiblock performance.
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.
We recommend that you consult your Innovene technical representative for further advice on the use of LL6608LJ.

General Information			
Additive	Anti-caking agent (600 ppm) Antioxidation Sliding agent (1200 ppm)		
Features	Rigid, good High smoothness Copolymer Optical hexene comonomer Anti-caking property Antioxidation Good strength Good heat sealability		
Uses	Films Bags		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.929	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	< 0.20		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**

Film Thickness - Tested	38	µm	
Tensile Modulus - 1% Secant (38 µm, Blown Film)	290	MPa	ISO 1184
Tensile Stress			ISO 527-3
MD: Yield, 38 µm, blown film	14.0	MPa	ISO 527-3
TD: Yield, 38 µm, blown film	16.0	MPa	ISO 527-3
MD: 38 µm, blown film	50.0	MPa	ISO 527-3
TD: 38 µm, blown film	35.0	MPa	ISO 527-3
Tensile Elongation			ISO 1184
MD: Broken, 38 µm, blown film	750	%	ISO 1184
TD: Broken, 38 µm, blown film	900	%	ISO 1184
Dart Drop Impact (38 µm, Blown Film)	170	g	ASTM D1709A
Elmendorf Tear Strength [1]			ASTM D1922
MD : 38.0 µm	43.1	kN/m	ASTM D1922
TD : 38.0 µm	255.0	kN/m	ASTM D1922
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	116	°C	ISO 306/A50
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.0 µm)	57		ASTM D2457
Haze	12	%	ASTM D1003
Additional Information			
Film properties taken from 38 µm film, 2:1 blow up ratio, 230°C melt temperature.			
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 - 230	°C	
NOTE			
1.	Blown Film		

Recommended distributors for this material

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