Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

LL6208LJ

Product Technical Information

LL6208LJ is a linear low density polyethylene copolymer containing hexene as the co-monomer. It contains a slip and anti-blocking formulation.

Applications

LL6208LJ has been developed for blown film applications where excellent mechanical and optical performance is required.

Benefits and features

LL6208LJ offers high slip film with easy opening properties. Addition of other polymers, master-batches and pigments may alter film slip and anti-blocking performance.

Properties	Test Method	Value	Units
Physical			
Melt flow rate			
Condition 4	ISO 1133	0.9	g/10 min
Conventional Density	ISO 1183 Method D	921	kg/m³
Additives:			
• antioxidants			
• Slip (Erucamide)	INEOS method	1200	ppm
• Antiblock	INEOS method	2200	ppm
FILM (*)			
Dart drop Impact	ASTM D1709 Method A	290	g
Tensile stress at yield (MD/TD)	ISO 0527	12 / 12	MPa
Tensile stress at break (MD/TD)	ISO 0527	49 / 37	MPa
Elongation at break (MD/TD)	ISO 0527	580 / 700	%
1 % Secant Modulus (MD/TD)	ISO 0527	200 / 225	MPa
Elmendorf Tear Strength (MD/TD)	ASTM D 1922	350 / 630	g/25µm
Coefficient Of Friction	ASTM D1894-95	0.20	-
Haze	ASTM D1003	13	%
Gloss (45°)	ASTM D2457	57	‰

Data should not be used for specification work.
(*) 25 µm film, BUR 2.5 : 1, Melt temperature 220°C – MD = Machine Direction, TD = Transverse Direction

April 2012

Published by

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Extrusion Conditions

LL6208LJ can be processed on most standard extrusion equipment. Optimisation may be required depending on the exact end use requirements.
Recommended melt temperature range is 180 – 230°C.
LL6208LJ can be used in blends to optimize film properties.

Storage

LL6208LJ should be stored in a dry and dust free environment at temperatures below 50°C. Exposure to direct sunlight should be avoided, as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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