INEOS LLDPE LL6608AF

Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

LL6608AF has been developed for lean and rich blend blown film applications, such as rigid layers in coextrusion, carrier bags, refuse sacks and liners. This grade is also recommended for artificial grass applications.
LL6608AF is a linear low density polyethylene copolymer containing hexene-1 as the comonomer. It offers the following properties:
Optimum balance between stiffness and film strength
Good optical properties
Good bubble stability
Excellent sealability and hot-tack strength
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.
We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of LL6608AF.

General Information	
Additive	Antioxidation
Features	Rigid, good Copolymer Optical hexene comonomer Antioxidation Good strength Good heat sealability
Uses	Films Lining Bags
RoHS Compliance	Contact manufacturer
Forms	Particle
Processing Method	Blow film Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.928	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
Tensile Modulus - 1% Secant (38 µm, Blown Film)	290	MPa	ISO 527-3
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 527-3
MD: Broken, 38 µm, blown film	750	%	ISO 527-3
TD: Broken, 38 µm, blown film	900	%	ISO 527-3
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/A
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.0 µm, Blown Film)	56		ASTM D2457
Haze (38.0 µm, Blown Film)	11	%	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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