

INEOS LLDPE LL6208AF

Linear Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

LL6208AF has been developed for use in rich blends in heavy duty sacks, liners and other thin film applications requiring excellent mechanical performance. This grade is also recommended for artificial grass applications.

LL6208AF is a linear low density polyethylene copolymer containing hexene-1 as the comonomer. It offers the following properties:

Excellent impact strength and puncture resistance

High tear streangth

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 LL6208AF.

General Information			
Additive	Antioxidation		
	Calcium stearate		
Features	Copolymer		
	Optical		
	hexene comonomer		
	Perforation resistance		
	Antioxidation		
	Impact resistance, good		
	Good heat sealability		
	Good tear strength		
Uses	Films		
	Lining		
	Heavy packing bag		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	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			ISO 527-3
1% secant, MD: 38 µm, blown film	180	MPa	ISO 527-3

1% secant, TD: 38 µm, blown film	240	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 38 µm, blown film	12.0	MPa	ISO 527-3
TD: Yield, 38 µm, blown film	12.0	MPa	ISO 527-3
MD: 38 µm, blown film	60.0	MPa	ISO 527-3
TD: 38 µm, blown film	44.0	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)	250	g	ASTM D1709A
Elmendorf Tear Strength ¹			ASTM D1922
MD : 38.0 µm	96.1	kN/m	ASTM D1922
TD : 38.0 µm	213.8	kN/m	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	109	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	61		ASTM D2457
Haze (38.0 µm, Blown Film)	10	%	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		

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