

INEOS LLDPE LL6430AA

Linear Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Applications
LL6430AA is suitable for high performance cast stretch film applications, in particular as an anticling layer in coextruded structures and where higher stiffness is required.

Characteristics
LL6430AA is a linear low density polyethylene copolymer containing hexene-1 as the comonomer. It offers the following properties:
high output rates
excellent overall film appearance and surface finish
good balance between stiffness and puncture resistance
We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of LL6430AA.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Copolymer
	Fast Molding Cycle
	Good Stiffness
	Hexene Comonomer
	Pleasing Surface Appearance
	Puncture Resistant
Uses	Film
	Multilayer Film
Forms	Pellets
Processing Method	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.2	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Tensile Modulus - 1% Secant (20 µm, Cast Film)	180	MPa	ISO 1184
Tensile Stress (Break, 20 µm, Cast Film)	40.0	MPa	ISO 527-3
Tensile Elongation (Break, 20 µm, Cast Film)	600	%	ISO 1184
Dart Drop Impact (20 µm, Cast Film)	100	g	ASTM D1709A
Elmendorf Tear Strength ¹			ASTM D1922

MD : 20.0 μm	76.5	kN/m	
TD : 20.0 μm	235.4	kN/m	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 μm, Cast Film)	85		ASTM D2457
Haze (20.0 μm, Cast Film)	3.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	240 to 280	°C	
NOTE			
1.	Cast Film		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

