

INEOS LLDPE LL6120AA

Linear Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

LL6120AA is particularly suitable for high performance cast stretch film applications and can be used, for example, as a core layer in co-extruded structures.
This grade is also recommended for artificial grass applications.
Characteristics
LL6120AA is a linear low density polyethylene copolymer containing hexene (C6) as the comonomer. It offers the following properties:
good output rates
very good puncture resistance
rigidity
We recommend that you consult your INEOS O&P Europe technical representative for further advice on the use of LL6120AA.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Hexene Comonomer
	Medium Rigidity
	Puncture Resistant
Uses	Cast Film
	Film
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Cast Film
	Coextrusion

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)	2.3	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Tensile Modulus			ISO 527-3/150
1% Secant, MD : 20 µm	100	MPa	
1% Secant, TD : 20 µm	120	MPa	
Tensile Strength			ISO 527-3/150
MD : 20 µm	33.0	MPa	
TD : 20 µm	25.0	MPa	
Tensile Elongation			ISO 527-3/150
MD : Break, 20 µm	600	%	

TD : Break, 20 µm	750	%	
Dart Drop Impact (20 µm)	180	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 20.0 µm	98.1	kN/m	
TD : 20.0 µm	227.5	kN/m	
Puncture Resistance	350000	J/m	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm)	93		ASTM D2457
Haze (20.0 µm)	1.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	240 to 280	°C	

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