Eltex® PF6130AA

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Applications
Eltex® PF6130AA is particularly suitable for high performance cast stretch film applications, in both monolayer and co-extruded structures.
It also can be used for the production of artificial grass monofilmaments.
Benefits and Features
Eltex® PF6130AA is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst.
Eltex® PF6130AA offers the following properties:
High stretchability in cast film applications
High holding force
Good web stability during extrusion
High output rates
Excellent overall film appearance and surface finish
Very high puncture resistance

General Information	
Additive	Antioxidant
Features	Antioxidant Copolymer Good Stretchability Good Surface Finish Hexene Comonomer Low Density Puncture Resistant
Uses	Cast Film Film Monofilaments
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Cast Film Coextruded Film

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ISO 1872-1
Melt Mass-Flow Rate (MFR) [1] (190°C/2.16 kg)	3.5	g/10 min	ISO 1133

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Film Puncture Energy (20 µm)	0.280	J	Internal Method
Tensile Modulus			ISO 1184

1% Secant, MD : 20 µm	115	MPa	
1% Secant, TD : 20 µm	120	MPa	
Tensile Stress			ISO 1184
MD : Break, 20 µm	40.0	MPa	
TD : Break, 20 µm	20.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 20 µm	300	%	
TD : Break, 20 µm	400	%	
Dart Drop Impact (20 µm)	600	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm	260	g	
TD : 20 µm	430	g	
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	230 to 280	°C	
NOTE			
1.	Condition 4		

Recommended distributors for this material

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