Eltex® PF6140AA

Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Eltex® PF6140AA. 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 monofilaments.
Benefits and Features
Eltex® PF6140AA. is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It offers the following properties:
High stretchability in cast stretch applications (up to 300%)
High holding force
Good web stability during extrusion
High output rates
Excellent overall film appearance and surface finish
Very high puncture resistance.
We recommend that you consult your INEOS technical representative for further advice on the use of Eltex® PF6130AA.

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

Physical	Nominal Value	Unit	Test Method
Density [1]	0.918	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) [2] (190°C/2.16 kg)	4.5	g/10 min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	20	µm	
Tensile Modulus			ISO 1184
1% Secant, MD : 20 µm	125	MPa	
1% Secant, TD : 20 µm	120	MPa	
Tensile Stress			ISO 1184

MD : Break, 20 µm	30.0	MPa	
TD : Break, 20 µm	20.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 20 µm	280	%	
TD : Break, 20 µm	460	%	
Dart Drop Impact (20 µm)	520	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	310	g	
TD : 25 µm	450	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm)	93		ASTM D2457
Haze (20.0 µm)	1.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Puncture Resistance	27.0	Ncm/µ	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	230 to 280	°C	
NOTE			
1.	Conditioning ISO 1872/1		
2.	Condition 4		

Recommended distributors for this material

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