

Technical data sheet

Chemicals



m-LLDPE REPSOL RESISTEX 1810F

DESCRIPTION

REPSOL RESISTEX 1810F is a metallocene ethylene-hexene copolymer. This material offers easy processability into thin films with excellent mechanical and optical properties. Good sealing characteristics. It contains processing aid and thermal stabilizers.

TYPICAL APPLICATIONS

- Heavy duty packaging
- Seal layer in coextrusions
- Excellent gloss and clarity
- Industrial Film: Stretch Hood, Stretch Film and Shrink Film
- Agriculture applications: Silage, mulching film and greenhouses

PROPERTIES	VALUE*	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 2.16kg)	1.0	g/10 min	ISO 1133
Density at 23°C	918	kg/m ³	ISO 1183
Film ⁽¹⁾			
Dart drop (F ₅₀)	>700	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	220 / 430	cN	ISO 6383-2
Tensile stress at break (MD/TD)	75 / 60	MPa	ISO 527-3
Tensile stress at yield (MD/TD)	13 / 10	MPa	ISO 527-3
Elongation at break (MD/TD)	450 / 600	%	ISO 527-3
Gloss (60°)	130	-	ASTM D-2457
Haze	5	%	ASTM D-1003
Other			
Seal Initiation Temperature	102	°C	ISO 11357-3

(1) 25 µm thickness film, blow up ratio 2.5:1.

* The following values are provisional, to be confirmed upon statistical data.

REPSOL RESISTEX 1810F complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

The product is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications

STORAGE

REPSOL RESISTEX 1810F should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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