mLLDPE REPSOL RESISTEX® 1810F

The grade 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.

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

Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190ºC, 2.16kg)	1	g/10 min	ISO 1133
Density at 23°C	918	kg/m^3	ISO 1183
Mechanical			
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	5	ISO 527-3
Gloss (60º)	130	-	ASTM D-2457
Haze	5	5	ASTM D-1003
Others			
Vicat softening temperature (10 N)	102	ºC	ISO-306

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

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

The grade REPSOL RESISTEX® 1810F complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

Storage

The grade REPSOL RESISTEX® 1810F should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50ºC and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

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