



## mLLDPE REPSOL RESISTEX<sup>®</sup> 1835F

The grade REPSOL RESISTEX<sup>®</sup>1835F is a metallocene ethylene-hexane copolymer, which is especially intended for monolayer and multilayer cast film with high stretchability.

This material offers outstanding tensile properties, impact and puncture resistance, as well as excellent optical properties. It contains thermal stabilizers as additives.

### Applications

- Cast Film
- Cast Stretch Film
- Food packaging film

Recommended melt temperature range from 230 to 300°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (190°C, 2.16kg)	3,5	g/10 min	ISO 1133
Density at 23°C	918	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Dart drop (F <sub>50</sub> )	450	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	300 / 500	cN	ISO 6383-2
Tensile stress at break (MD/TD)	55 / 40	MPa	ISO 527-3
Tensile stress at yield (MD/TD)	10 / 9	MPa	ISO 527-3
Elongation at break (MD/TD)	500 / 580	%	ISO 527-3
Gloss (60°)	140		ASTM D-2457
Haze	2	%	ASTM D-1003
<b>Others</b>			
Seal Initiation Temperature	100	°C	ISO 11357-3

\* Cast Film Line (25 µm thickness film). The following values are provisional, to be confirmed upon statistical data.

The grade REPSOL RESISTEX<sup>®</sup>1835F 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<sup>®</sup>1835F should be stored in a dry atmosphere, on a paved, drained and unflooded area, at temperatures under 50°C 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.

June 2017