

SIBUR

Technical Data Sheet PE HD10530 LB High-Density Polyethylene

PRODUCT DESCRIPTION

PE HD10530 LB is a high molecular weight hexene copolymer for Medium Blow Molding applications. The grade combines high impact resistance, good rigidity and very high environmental stress crack resistance (ESCR).

TYPICAL APPLICATIONS

PE HD10530 LB is recommended for Blow Molded articles such as jerrycans, high performance containers up to up to 60 litres for the packaging of aggressive products

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	10.0	g/10 min
Physical				
Density		ISO 1183	0.953	g/cm ³
Mechanical				
Tensile Stress at Yield		ISO 527-1	26	MPa
Elongation at Break		ISO 527-1	400	%
Flexural Modulus		ISO 178	1000	MPa
Charpy Notched Impact Strength	23 °C	ISO 179	12	kJ/m ²
Notched Izod Impact Strength	-20 °C	ASTM D256	19	kJ/m ²
BTT Stress Crack Resistance	F50, 100 %	ASTM D1693	>1000	hours

*The values given are typical values measured on the product. These values should not be considered as specification.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

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