

PRODUCT DESCRIPTION

PE HD19550 LB is a high molecular weight hexene copolymer for Large Blow Molding applications. This grade exhibits extremely high impact strength, outstanding environmental stress crack resistance (ESCR) and excellent rigidity. The articles based on this product are characterized by high stiffness and exceptional toughness.

TYPICAL APPLICATIONS

PE HD19550 LB is recommended for the production of Blow Molded open top drums, L-ring drums up to 210 liters with high ESCR and chemical resistance requiring UN approval for the packaging of dangerous products.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	1.9	g/10 min
Physical				
Density		ISO 1183	0.955	g/cm ³
Mechanical				
Tensile Stress at Yield		ISO 527-1	28	MPa
Elongation at Break		ISO 527-1	800	%
Flexural Modulus		ISO 178	1400	MPa
Charpy Notched Impact Strength	-30 °C	ISO 179	50	kJ/m ²
BTT Stress Crack Resistance	F50, 100 %	ASTM D1693	1100	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.

Safety

See MSDS

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