Technical Data Sheet

PE HD60462 LB

High-Density Polyethylene

PRODUCT DESCRIPTION

PE HD60462 LB is a high molecular weight hexene copolymer with anti-UV formulation ensuring an advantageous balance of physical and mechanical characteristics. This grade combines good processing performance with good environmental stress crack resistance (ESCR), high melt strength and impact performance.

TYPICAL APPLICATIONS

PE HD60462 LB is recommended for IBC containers, large containers and tanks up to 5000 liters with high ESCR, chemical resistance and protection to UV radiation.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	6.0	g/10 min
Physical				
Density		ISO 1183	0.946	g/cm^3
Mechanical				
Tensile Stress at Break		ISO 527-1	23	MPa
Elongation at Break		ISO 527-1	300	%
Flexural Modulus		ISO 178	900	MPa
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.

Safety

See MSDS

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