

PRODUCT DESCRIPTION

PE HD60502 SB is a high molecular weight copolymer with anti-UV formulation, ensuring an advantageous balance of physical and mechanical properties. This grade combines good processing performance with good environmental stress crack resistance (ESCR), improved stiffness and impact performance.

TYPICAL APPLICATIONS

PE HD60502 SB is recommended of 1-60 liters containers for packaging aggressive products.

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	0.950	g/cm ³
Mechanical				
Tensile Stress at Yield		ISO 527-1	25	MPa
Elongation at Break		ISO 527-1	550	%
Flexural Modulus		ISO 178	1100	MPa
Notched Izod Impact Strength	-20 °C	ASTM D256	20	kJ/m ²
BTT Stress Crack Resistance	F50, 100%	ASTM D1693	1100	hours
Thermal				
Vicat Softening Temperature	10 N	ISO 306	125	°C

*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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