

PRODUCT DESCRIPTION

PE HD20530 IM is a high-density polyethylene with hexene comonomer and narrow molecular weight distribution. The enhanced properties give the product an advantageous combination of physical and mechanical characteristics. Articles produced from this grade show high rigidity, good impact strength and a glossy surface finish.

TYPICAL APPLICATIONS

PE HD20530 IM is recommended for Injection Molding applications such as caps, closures, toys, housewares and general purpose items.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	190 °C/2.16 kg	ASTM D1238	20	g/10 min
Physical				
Density		ASTM D4883	0.953	g/cm ³
Mechanical				
Tensile Stress at Yield		ASTM D638	27.6	MPa
Elongation at Break		ASTM D638	232	%
Flexural Modulus		ASTM D790	1220	MPa
Impact				
ESCR	F50, 100 %	ASTM D1693	1.8	hours
Notched Izod Impact Strength	23 °C	ASTM D256	2.8	kJ/m ²
Thermal				
Vicat Softening Temperature		ASTM D1525	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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