

SIBUR

Technical Data Sheet PE HD11500 GM High-Density Polyethylene

PRODUCT DESCRIPTION

PE HD11500 GM is a high density polyethylene. The product is characterized by balanced physical and mechanical properties. Films produced from the polymer have high strength properties.

TYPICAL APPLICATIONS

PE HD11500 GM is recommended for the production of technical films and garbage bags.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	10	g/10 min
Density		ISO 1183	0.950	g/cm ³
Properties measured on 15 µm film**				
Tensile Strength at Break	MD/TD	ISO 527-1	65/57	MPa
Tensile Stress at Yield	MD/TD	ISO 527-1	32/29	MPa
Elongation at Break	MD/TD	ISO 527-1	400/450	%
Dart Drop Impact Strength		ASTM D1709	150	g
Tear Strength	23 °C	ASTM D1922	8	g/25 µm

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

**Properties are measured on 15 µm gauge films with a blow up ratio of 5 and a neck height of 8D.

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

Contact