

PRODUCT DESCRIPTION

PE HD14380 NP is a high molecular weight, medium-density hexene copolymer with a broad molecular weight distribution, giving excellent mechanical properties, improved optical performance and ensuring outstanding processability. Films produced from this resin show excellent balance of toughness, impact strength and tear resistance.

TYPICAL APPLICATIONS

PE HD14380 NP can be used as a blending agent or in a wide variety of blown film applications such as general purpose thin film, trash bags and merchant bags.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	14	g/10 min
Density		ISO 1183	0.938	g/cm ³
Properties measured on 15 µm film**				
Tensile Strength at Break	MD/TD	ASTM D882	46/-	MPa
Tensile Stress at Yield	MD/TD	ASTM D882	18/19	MPa
Elongation at Break	MD/TD	ASTM D882	470/630	%
Dart Drop Impact Strength		ASTM D1709	170	g
Tear Strength	MD/TD	ASTM D1922	25/300	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

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