

## PRODUCT DESCRIPTION

PE HD80520 FE is a high molecular weight, high density hexene copolymer with a bimodal molecular weight distribution providing very thin film production at high speed, ensuring the superior extrudability and bubble stability. Films produced from this resin perform high tensile strength, stiffness and outstanding organoleptic properties.

## TYPICAL APPLICATIONS

PE HD80520 FE is recommended for all thin film applications, production of high strength grocery sacks, shopping bags, films for lamination and shrink wrap films. It is also used in high quality multi-layer flexible structures.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/21.6 kg	ISO 1133-1	8	g/10 min
Density		ISO 1183	0.952	g/cm <sup>3</sup>
Properties measured on 15 µm film**				
Tensile Strength at Break	MD/TD	ISO 527-1	75/45	MPa
Tensile Stress at Yield	MD/TD	ISO 527-1	31/27	MPa
Elongation at Break	MD/TD	ISO 527-1	400/550	%
Dart Drop Impact Strength		ASTM D1709	350	g

\*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 4 and a neck height of 7D.

## 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

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