

## PRODUCT DESCRIPTION

PE HD85610 IM is a high-density hexene copolymer with a narrow molecular weight distribution. The product exhibits an advantageous balance of physical and mechanical characteristics. Articles produced from this grade show high rigidity, good impact strength and a glossy surface finish.

## TYPICAL APPLICATIONS

PE HD85610 IM is recommended for Injection Molding applications such as crates, recycle bins, hardhats and general purpose items.

Properties	Conditions	Method	Typical values*	Units
<b>Rheology</b>				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	8.5	g/10 min
<b>Physical</b>				
Density		ISO 1183	0.961	g/cm <sup>3</sup>
<b>Mechanical</b>				
Tensile Stress at Yield		ISO 527-1	32	MPa
Elongation at Break		ISO 527-1	1100	%
Flexural Modulus		ISO 178	1500	MPa
<b>Impact</b>				
ESCR	F50, 100%	ASTM D1693	50	hours
Notched Izod Impact Strength	23 °C	ASTM D256	3.5	kJ/m <sup>2</sup>
<b>Thermal</b>				
Vicat Softening Temperature	10 N	ISO 306	127	°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

## Contact

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