

## PRODUCT DESCRIPTION

PE HD48572 IM is a high-density hexene copolymer with a narrow molecular weight distribution. The enhanced properties and anti-UV formulation give the product an advantageous combination of good processability and improved mechanical characteristics. Articles produced from this grade show rigidity, good impact strength and high environment stress crack resistance (ESCR).

## TYPICAL APPLICATIONS

PE HD48572 IM is recommended for Injection Molding applications such as large dustbins and pails, pallet boxes, crates and technical items.

Properties	Conditions	Method	Typical values*	Units
<b>Rheology</b>				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	4.8	g/10 min
<b>Physical</b>				
Density		ISO 1183	0.957	g/cm <sup>3</sup>
<b>Mechanical</b>				
Tensile Stress at Yield		ISO 527-1	27	MPa
Elongation at Break		ISO 527-1	1000	%
Flexural Modulus		ISO 178	1200	MPa
<b>Impact</b>				
ESCR	F50, 100%	ASTM D1693	>40	hours
Charpy Notched Impact Strength		ISO 179	8	kJ/m <sup>2</sup>
<b>Thermal</b>				
Vicat Softening Temperature	10 N	ISO 306	121	°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

### PJSC «Sibur Holding»

Basic Polymers Division  
3-16, Krzhizhanovskogo St.  
117997, Moscow, Russian Federation  
Tel.: ++7 495 7775500  
E-mail: [servicedbp@sibur.ru](mailto:servicedbp@sibur.ru)

### European Sales Office

Sibur International GmbH  
Prinz Eugen Straße 8-10  
1040, Vienna, Austria  
Tel.: ++43 1 370 8000  
E-mail: [polyolefins@sibur-int.com](mailto:polyolefins@sibur-int.com)

### Turkey Sales Office

SIBUR International Trading Istanbul  
EGS Business Park, B1 Blok, Kat.9, No.318 Yeşilköy,  
Bakırköy  
Istanbul, Turkey  
Tel: ++90 212 465 2321  
E-mail: [polyolefins@sibur-int.com](mailto:polyolefins@sibur-int.com)

### Chinese Sales Office

SIBUR International Trading (Shanghai)Co., Ltd  
Rm.62T70, SWFC, Century Ave.100 Pudong New  
Area, 200120, Shanghai, China  
Tel: ++86 021 2206 5066 ext 215  
E-mail: [serviceCN@sibur-int.com](mailto:serviceCN@sibur-int.com)

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