

## Recycled Polystyrene 7000

Exir Polymer’s PS 7000 recycled HIPS granules are high-purity, high-performance materials ideal for injection molding, extrusion, and compounding. They offer good impact resistance, thermal and chemical stability, and versatile formability. Derived from post-consumer waste, they provide a sustainable alternative with properties close to virgin HIPS.

### Technical Properties

Property	Standard	Condition	Result	Unit
<b>MFI</b>	ASTM D1238	5 kg / 200 °C	<b>13</b>	g/10 min
<b>Filler Content</b>	ISO3451/1	600°C/30 min	<b>&lt; 5</b>	%
<b>Density</b>	ISO 1183	23°C	<b>1</b>	gr/cm <sup>3</sup>
<b>Izod Impact</b>	ISO 180	2.71J/notched/23°C	<b>2</b>	Kj/m <sup>2</sup>
<b>Tensile strength @Yield</b>	ISO 527	Speed 50 mm/min	<b>21</b>	Mpa
<b>Elongatin @ Yield</b>	ISO 527	Speed 50 mm/min	<b>3</b>	%
<b>Tensile strength @ Break</b>	ISO 527	Speed 50 mm/min	<b>20</b>	Mpa
<b>Elongatin @ Break</b>	ISO 527	Speed 50 mm/min	<b>4</b>	%
<b>Flexural Modulus</b>	ASTM D790	Speed: 1.3mm/min Deflection: 0.5mm	<b>2500</b>	Mpa
<b>Flexural strength</b>	ASTM D790	Speed: 1.3mm/min Deflection: 5.0mm	<b>46</b>	Mpa
<b>VICAT</b>	ASTM D 1525	10N	<b>99</b>	°c
<b>HDT</b>	ASTM D648	0.45 MPa	<b>81</b>	°c
<b>DSC</b>	ISO 11357/6	10 °C/min N2 50ml/min	<b>Click</b>	°c

- The uncertainty of the test result is based on confidence range of %95 and K=2 which is calculated and Announced due to the customers’ demands.

### Commercial Properties

Property	Value	Property	Value
<b>HS Code</b>	390390	<b>Delivery Terms</b>	CFR, CPT, FCA, FOB
<b>MOQ</b>	1000	<b>Packaging</b>	25 kg Bag – 1000 kg Jumbo Bag
<b>ETD</b>	Negotiable	<b>Payment Terms</b>	Negotiable
<b>MSDS</b>	Yes	<b>Marks &amp; Nos</b>	Negotiable
<b>Product Process</b>	Extrusion Injection	<b>Color</b>	Dark cream

## Shipping and Storage Conditions

Away from moisture, sunlight, sharp objects, fire and flame.

### Needs:

[LOI \(Letter of Intent\)](#)

### Other Documents:

You may also need the following documents. Click to download them:

1. [FCO \(Full Corporate Offer\)](#)
2. [PI \(Proforma Invoice\)](#)
3. [CI \(Commercial Invoice\)](#)
4. [PL \(Packing List\)](#)
5. [MSDS \(Material Safety Data Sheet\)](#)

### Quick Access:

- [Visit Our Website](#)
- [Explore Wide Our Range of Recycled Plastic Granules](#)
- [Other Datasheets](#)
- [Loading Capacity Table](#)
- [Suggested Guidelines](#)

#### Technical Consulting

Technical and engineering consulting to find the right product for the customer

[CONTACT NOW](#)


#### Business Consulting

Business consulting in the field of shipping, customs and logistics

[CONTACT NOW](#)

## Contact Information

 [info@exirpolymer.com](mailto:info@exirpolymer.com)

 [+98 912 962 3245](tel:+989129623245)

 Central office and factory:  
Arad Exir Polymer Company, Kaveh 4th St, Kaveh St, Morcheh Khort Industrial Town, Isfahan, Iran