

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
MFI	ASTM D1238	5 kg / 200 °C	13	g/10 min
Filler Content	ISO3451/1	600°C/30 min	< 5	%
Density	ISO 1183	23°C	1	gr/cm ³
Izod Impact	ISO 180	2.71J/notched/23°C	2	Kj/m ²
Tensile strength @Yield	ISO 527	Speed 50 mm/min	21	Mpa
Elongatin @ Yield	ISO 527	Speed 50 mm/min	3	%
Tensile strength @ Break	ISO 527	Speed 50 mm/min	20	Mpa
Elongatin @ Break	ISO 527	Speed 50 mm/min	4	%
Flexural Modulus	ASTM D790	Speed: 1.3mm/min Deflection: 0.5mm	2500	Mpa
Flexural strength	ASTM D790	Speed: 1.3mm/min Deflection: 5.0mm	46	Mpa
VICAT	ASTM D1525	10N	99	°c
HDT	ASTM D648	0.45 MPa	81	°c
DSC	ISO 11357/6	10 °C/min N2 50ml/min	Click	°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
HS Code	390390	Delivery Terms	CFR, CPT, FCA, FOB
MOQ	1000	Packaging	25 kg Bag – 1000 kg Jumbo Bag
ETD	Negotiable	Payment Terms	Negotiable
MSDS	Yes	Marks & Nos	Negotiable
Product Process	Extrusion Injection	Color	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 costumer

[CONTACT NOW](#)

Business Consulting

Business consulting in the field of shipping, customs and logistics

[CONTACT NOW](#)

Contact Information



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