

Recycled Polystyrene 7100-F

PS 7100-F is a pure recycled HIPS granule with properties close to virgin petrochemical material. It offers good impact resistance, strong melt strength, and stable thermal conductivity and chemical resistance. Its high purity, precise production control, and excellent formability make it both efficient and cost-effective.

Technical Properties

Property	Standard	Condition	Result	Unit
MFI	ASTM D1238	5.00 kg / 200 °C	9	g/10 min
Filler Content	ISO3451/1	600°C/30 min	< 7	%
Density	ISO 1183	23°C. 50% RH	1	gr/cm ³
Tensile strength @Yield	ISO 527	Speed 5mm/min GRIP 115 mm	19	Mpa
Elongatin @ Yield	ISO 527	Speed 5mm/min GRIP 115 mm	3	%
Tensile strength @ Break	ISO 527	Speed 5mm/min GRIP 115 mm	17	Mpa
Elongatin @ Break	ISO 527	Speed 5mm/min GRIP 115 mm	8	%
Flexural Modulus	ASTM D790	Speed: 1.3mm/min Deflection: 0.5mm	2200	Mpa
Flexural strength	ASTM D790	Speed: 1.3mm/min Deflection: 5.0mm	38	Mpa
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	Light gray

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:

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- [Other Datasheets](#)
- [Loading Capacity Table](#)
- [Suggested Guidelines](#)

Technical Consulting

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

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Business Consulting

Business consulting in the field of shipping, customs and logistics

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