

# HIPS-4125

High Impact Polystyrene for  
Injection and Molding

## Product description:

HIPS-4125 gives excellent processing in injection with good finished product dimensional stability. Also we can use this grade for extrusion processing.

## Typical applications:

It use for house hold, toys, food containers, masterbatch and compounding.

## Typical data:

Properties	Unit	value	ASTM method
<b>Physical</b>			
Melt Flow Index (200°C - 5 kg)	g/10min	12	D1238
<b>Mechanical Properties</b>			
Tensile Strength at Break	MPa	30	D638
Elongation @ Yield	%	5	D638
Flexural Modulus	MPa	2600	D790
Izod Impact (Notched) at 23°C	J/m	100	D256
<b>Thermal Properties</b>			
Vicat Softening Point (50°C/hr,1 kg)	°C	87	D1525
Styrene residual monomer	ppm	<500	CLG LABPSG004 (ATOFINA TEST METHOD)
Tensile modulus	MPa	2300	D638
Linear mold shrinkage	%	0.4-0.7	D955
Density	g/cc	1.05	D792

Note: All mechanical properties measured under standard conditions 50% RH and 23C.

## Packing:

HIPS-4125 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. The product can be supplied in either 25 kg bags.

## Regulatory information:

It is responsibility of the manufacturers of food contact articles and industrial food packers to make sure the article in their actual use are in compliance with the imposed migration requirements.

Edit Date: 02/26/2022