



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** HIPS 4125
- **Categories:** Polymer, Polystyrene, High Impact Polystyrene
- **Processing Methods:** Injection and Molding
- **Applications:** House hold, toys, food containers, masterbatch and compounding
- **Features:** Excellent processing in injection, Can be used for extrusion processing

Physical Properties			
Properties	Value	Unit	Test Method
MFI (200°C/5 Kg)	12	g/10min	ASTM D1238
Density	1.05	g/cm ³	ASTM D792
Mechanical Properties			
Properties	Value	Unit	Test Method
Izod Impact (Notched) at 23°C	100	J/m	ASTM D 256
Flexural Modulus	2600	MPa	ASTM D 790
Tensile Strength at Break	30	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Styrene residual monomer	<500	ppm	CLG LABPSG004 (ATOFINA TEST METHOD)
Tensile modulus	2300	MPa	ASTM D 638
Linear mold shrinkage	0.4-0.7	%	ASTM D 955
Thermal Properties			
Vicat Softening Point (50 °C/hr, 1 Kg)	87	°C	ASTM D 1525

Typical Properties: These values are not to be considered as product specifications.

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