



# LINYI AOSEN CHEMICAL CO., LTD

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## Polystyrene

### HIPS 641

#### Suggest use:

Characteristic: High heat resistance, good mechanical strength

Application: Milk tea packaging, electrical equipment, television cabinet, sales cup, etc

#### Specification:

Item	Test method	Test condition	Data	Unit
MFR	ISO 1133/1997	200°C/5Kg	2.8	g/10min
Vicat softening point	ISO 306/1994	B50/oil	96	°C
Distortion temperature	ISO 75-2/1993	1.82Mpa	85	°C
IZOD notched impact strength	ISO 180/1993		125	J/m <sup>2</sup>
IZOD impact strength	ISO 180/1993		1000	J/m <sup>2</sup>
Tensile Yield Strength	ISO 527-/1993		27	MPa
Elongation	ISO 527-1993	50mm/min	40	%
Bending strength	ISO 178/1993	50mm/min	48	MPa
Flexural modulus	ISO 178/1993	2mm/min	1800	MPa
Density	ISO 1183/1987		1030	Kg/m <sup>3</sup>