

## Chi Mei Polyrex® PH-888G Polystyrene - High gloss

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

### Material Notes:

High impact; high gloss

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chi-Mei-Polyrex-PH-888G-Polystyrene-High-gloss.php](http://www.lookpolymers.com/polymer_Chi-Mei-Polyrex-PH-888G-Polystyrene-High-gloss.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ISO 1183
Melt Flow	4.0 g/10 min @Load 10.0 kg, Temperature 220 °C	4.0 g/10 min @Load 22.0 lb, Temperature 428 °F	Melt Volume Rate (ml/10 min); ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	93.0 MPa	13500 psi	H358/30; ISO 2039-1
Tensile Strength at Break	28.0 MPa	4060 psi	50 mm/min; ISO 527
Tensile Strength, Yield	34.0 MPa	4930 psi	50 mm/min; ISO 527
Elongation at Break	50 %	50 %	50 mm/min; ISO 527
Flexural Strength	45.0 MPa	6530 psi	2 mm/min; ISO 178
Flexural Modulus	1.40 GPa	203 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1C
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179
Impact	10.0	10.0	Impact Flexural Test Notched (KJ/m <sup>2</sup> )
	100	100	Impact Flexural Test Unnotched (KJ/m <sup>2</sup> )

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	unannealed; ISO 75
	95.0 °C	203 °F	annealed; ISO 75
Vicat Softening Point	91.0 °C	196 °F	50°C/hr; ISO 306

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
	95.0 °C	203 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	100 °C	212 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	105 °C	221 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.59 mm	@Thickness 0.0625 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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