

## High Impact HIPS POLYREX® PH-888H

Product Description: High FDI, High heat

Properties	ISO Test Method	Test Condition	Unit	PH-888H
Melt Flow Index	1133	200°C×5KG	ml/10 min	3.8
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.05
Tensile Strength	527	50 mm/min, yield	MPa	30
		50 mm/min, break	MPa	30
Tensile Elongation	527	50 mm/min	%	50
Flexural Strength	178	2 mm/min	MPa	39
Flexural Modulus		2 mm/min	GPa	1.5
Izod Impact Strength	180/1A	23 °C Notched	KJ/m <sup>2</sup>	8
		-30 °C Notched	KJ/m <sup>2</sup>	4.5
Charpy Impact Strength	179	23 °C Notched	KJ/m <sup>2</sup>	9
		-30 °C Notched	KJ/m <sup>2</sup>	5.2
Vicat Softening Temp.	306	1 Kg,50 °C/hr	°C	102
		5 Kg,50 °C/hr	°C	92
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	79
		1.8 MPa Annealed	°C	96
Coefficient of Linear Thermal Expansion	11359	-	-	4~6x10 <sup>-5</sup>
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>PS-HI<