

High Impact HIPS POLYREX® PH-88

Product Description: High impact

Properties	ISO Test Method	Test Condition	Unit	PH-88
Melt Flow Index	1133	200°C×5KG	ml/10 min	5.5
Mass Density	1183	23 °C	g/cm ³	1.03
Tensile Strength	527	50 mm/min, yield	MPa	26
		50 mm/min, break	MPa	24
Tensile Elongation	527	50 mm/min	%	50
Flexural Strength	178	2 mm/min	MPa	37
Flexural Modulus		2 mm/min	GPa	2.1
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	11
		-30°C, Notched	KJ/m ²	6
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	11
		-30°C, Notched	KJ/m ²	6.5
Vicat Softening Temp.	306	50°C/hr;1KG	°C	96
		50°C/hr;5KG	°C	90
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	74
		1.8MPa, annealed	°C	89
Coefficient of Linear Thermal Expansion	11359	-	-	4~6x10 ⁻⁵
Flammability	-	UL-94	-	1.5mm HB
Mold Shrinkage	294-4	-	%	0.4~0.7
Symbol	1043	-	-	>PS-HI<

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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