

Food HIPS POLYREX® PH-55Y

Product Description: Medium impact

Properties	ISO Test Method	Test Condition	Unit	PH-55Y
Melt Flow Index	1133	200°C×5KG	ml/10 min	9
Mass Density	1183	23 °C	g/cm ³	1.05
Tensile Strength	527	50 mm/min, yield	MPa	27
		50 mm/min, break	MPa	25
Tensile Elongation	527	50 mm/min	%	45
Flexural Strength	178	2 mm/min	MPa	38
Flexural Modulus		2 mm/min	GPa	1.3
Izod Impact Strength	180/1A	23°C, Notched	KJ/m ²	7
		-30°C, Notched	KJ/m ²	3
Charpy Impact Strength	179	23°C, Notched	KJ/m ²	6
		-30°C, Notched	KJ/m ²	3.6
Vicat Softening Temp.	306	50°C/hr;1KG	°C	94
		50°C/hr;5KG	°C	87
Heat Distortion Temp.	75/A	1.8MPa, unannealed	°C	74
		1.8MPa, annealed	°C	87
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<

March 11, 2024

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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