

Food HIPS POLYREX® PH-55Y

Product Description: Medium impact

Properties	ASTM Test Method	Test Condition	Unit	PH-55Y
Melt Flow Index	D1238	200°C, 5 Kg	g/10 min	9
		220°C, 10 Kg		-
Mass Density	D792	23 °C	-	1.05
Hardness	D785	-	L Scale	70
Tensile Strength (Yield)	D638	6 mm/min	Kg/cm ²	220
			lb/in ²	3120
Tensile Elongation	D638	6 mm/min	%	40
Flexural Strength	D790	2.8 mm/min	Kg/cm ²	450
			lb/in ²	6390
Flexural Modulus		2.8 mm/min	10 ⁴ Kg/cm ²	2.3
			10 ⁵ lb/in ²	3.3
Izod Impact Strength	D256 (Notched)	6.4 mm, 23°C	Kg-cm/cm	6.5
			ft-lb/in	1.19
		3.2 mm, 23°C	Kg-cm/cm	7.5
Vicat Softening Temp.	D1525	1 Kg, 50°C/hr	°C	95
			°F	203
Heat Distortion Temp.	D648	Annealed	°C	89
			°F	192
		Unannealed	°C	78
			°F	172
Flammability	UL-94	-	-	1.5mm HB

September 20, 2023

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

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