

TAIUREX^R HIPS HP825S

Category :High Impact Polystyrene(HIPS)

Property	Unit	Test Method	Test Condition	High Impact PS HP825S
Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23 °C	260 (23)
Tensile Modulus	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23 °C	15000 (1600)
Tensile Elongation	%	ASTM D-638 (ISO 527)	23 °C	65 (70)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	420 (36)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	16000 (1650)
Izod Impact Strength	kg-cm/cm (kJ/m ²)	ASTM D-256 (ISO 180)	23 °C 1/4 " 23 °C 4 m m	11.5 (9.5)
Vicat Softening Point	°C	ASTM D-1525 (ISO 306A50)	Annealed 10 N 1/8" , 5 0 °C / h	102 (102)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Annealed 1.8Mp a 1/8" (4mm), 120°C/h	91 (91)
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	200°C ×5Kg(49N)	2.7
Reidual Monomer	ppm max.			500
Specific Gravity		ASTM D-792	23 °C/23 °C	1.04
Flammability		UL-94	File No. E162823	1.5mm HB All Color
Characteristics		Extrusion, ESCR		

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