

POLYSTYRENE SPECIFICATION

Properties	Test Method	Test Condition	Unit	TYPE			
				330	332	336	336T
Izod Impact Strength	ASTM D256	1/4",23°C	kg-cm/cm	1.6	1.3	1.2	1.1
Tensile Strength	ASTM D638	1/8", 5.1 mm/mm	kg/cm ²	430	370	330	290
Tensile Elongation	ASTM D638	1/8", 5.1 mm/mm	%	2	2	2	2
Flexural Strength	ASTM D790	1/4",2.8 mm/mm	kg/cm ²	640	620	550	470
Flexural Modulus	ASTM D790	1/4",2.8 mm/mm	kg/cm ²	31000	30000	29000	28000
Melt Flow Index	ASTM D1238	200°C, 5.0kg	g/10min	5	8	12	22
Heat Deflection Temp	ASTM D648	1/4", 2.0°C/min	°C	80	73	71	63
Vicat Softening Temp	ASTM D1525	1/8", 50°C/hr	°C	95	92	87	80
Specific Gravity	ASTM D792	23°C	---	1.05	1.05	1.05	1.05
Characteristic				Injection Excellent Heat-Resistant	Injection Excellent Transparency	Injection Excellent Transparency	High Melting Index
Purpose				CD-Case、Lamp、Toy	Lamp、Toy、Stationery	3C、Toy、Stationery、 Container	TPR Compound

Remark : All laboratory tests followed ASTM testing procedures.

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.