

Typical value for Solarene[®]

Grade : Solarene[®] GPPS, G-116

Test items	Unit	Test Method	Test Condition	Typical Value
Mechanical Properties				
Tensile Stress at yield	kgf/cm ² [MPa]	ASTM D 638	-	570 [56]
Elongation	%	ASTM D 638	-	3
Flexural Strength	kgf/cm ² [MPa]	ASTM D 790	-	1,070 [105]
Flexural Modulus	kgf/cm ² [MPa]	ASTM D 790	-	32,000 [3,138]
Izod Impact Strength	kgf-cm/cm [J/m]	ASTM D 256	3.2mm Notched	2.2 [21.6]
Rockwell Hardness	-	ASTM D 785	L-Scale	101
Rheological Properties				
Melt Flow Index	g/10 min	ASTM D 1238	200°C/5kg	2.3
Thermal Properties				
Vicat Softening Temp.	°C	ASTM D 1525	A/50	105
Heat Distortion Temp.	°C	ASTM D 648	18.6kgf/cm ² , 6.4mm	87
Mold Shrinkage	%	ASTM D 955	-	0.4~0.7
Physical Properties				
Specific Gravity	-	ASTM D 792	-	1.04
Water Absorption	%	ASTM D 570	-	0.03
Burning Properties				
Flammability	class	UL 94	-	HB

* The above values are only the representatives of natural color specimen.

* The listed values should be used for referential purposed only.

* Last update : Jun. 17, 2010