

Typical value for Solarene[®]

Grade : Solarene[®] HIPS, H-616

Test items	Unit	Test Method	Test Condition	Typical Value
Mechanical Properties				
Tensile Strength [yield]	kgf/cm ² [MPa]	ASTM D 638	-	260 [25]
Elongation	%	ASTM D 638	-	66
Flexural Strength	kgf/cm ² [MPa]	ASTM D 790	-	440 [43]
Flexural Modulus	kgf/cm ² [MPa]	ASTM D 790	-	22,400 [2,197]
IZOD Impact Strength	kgf-cm/cm [J/m]	ASTM D 256	3.2mm Notched	12.1 [119]
Rockwell Hardness	-	ASTM D 785	L-Scale	71
Rheological Properties				
Melt Flow Index	g/10 min	ASTM D 1238	200°C/5kg	6.6
Thermal Properties				
Vicat Softening Temp.	°C	ASTM D 1525	A/50	97.2
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.



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