

## Typical value for Solarene<sup>®</sup>

### Grade : Solarene<sup>®</sup> HIPS, H-835

Test items	Unit	Test Method	Test Condition	Typical Value
<b>Mechanical Properties</b>				
Tensile Strength [yield]	kgf/cm <sup>2</sup> [Mpa]	ASTM D 638	-	210 [21]
Elongation	%	ASTM D 638	-	71
Flexural Strength	kgf/cm <sup>2</sup> [Mpa]	ASTM D 790	-	370 [36]
Flexural Modulus	kgf/cm <sup>2</sup> [Mpa]	ASTM D 790	-	16,500 [1,618]
IZOD Impact Strength	kgf·cm/cm [J/m]	ASTM D 256	3.2mm Notched	10.7 [105]
Rockwell Hardness	-	ASTM D 785	L-Scale	47
<b>Rheological Properties</b>				
Melt Flow Index	g/10 min	ASTM D 1238	200°C/5kg	3.1
<b>Thermal Properties</b>				
Vicat Softening Temp.	°C	ASTM D 1525	A/50	98.6
Mold Shrinkage	%	ASTM D 955	-	0.4~0.7
<b>Physical Properties</b>				
Specific Gravity	-	ASTM D 792	-	1.04
Water Absorption	%	ASTM D 570	-	0.03
<b>Burning Properties</b>				
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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