

物性表

■ Grade :VH-0810 T

Item	Condition	Measuring Method	Unit	Representative
Physical				
Specific Gravity	Natural Color	ASTM D792	-	1.16
Melt Flow Index	200℃ 5kg	ASTM D1238	g/10min	6.5
Mold Shrinkage	-	ASTM D955	%	0.3-0.6
Mechanical				
Tensile Strength	5mm/min	ASTM D638	MPa (psi) kgf/cm ²	39 (5,700) 400
Flexural Strength	2.8mm/min	ASTM D790	MPa (psi) kgf/cm ²	59 (8,500) 600
Flexural Modulus	2.8mm/min	ASTM D790	MPa (psi) kgf/cm ²	2,160 (310,000) 22,000
IZOD Impact Strength (notched)	1/8 inch	ASTM D256	J/m (ft·lbf/in) kgf·cm/cm	216 (4) 22
IZOD Impact Strength (notched)	1/4 inch	ASTM D256	J/m (ft·lbf/in) kgf·cm/cm	186 (3.5) 19
Rockwell Hardness	R-Scale	ASTM D785	-	101
Thermal				
Heat Deflection Temperature	18.56kgf/cm ²	ASTM D648	°F (°C)	171 (77)
VICAT Softening Temperature	5kg	ISO R 306	°F (°C)	189 (87)
Flammability				
UL 94 Classification	1.5 mm specimen		Recognized	V-2
UL 94 Classification	2.5 mm specimen 3.0 mm specimen 6.0 mm specimen		Recognized	V-0

