

Physical properties

■ **Grade** :NH-1015S

Item	Condition	Measuring Method	Unit	Representative
Physical				
Specific Gravity	Natural Color	ASTM D 792	-	1.18
Melt Flow Index	220℃ 10kg	ASTM D 1238	g/10min	40.0
Mold Shrinkage	-	ASTM D 955	%	0.5~0.7
Mechanical				
Tensile Strength	50mm/min	ASTM D 638	MPa (psi) kgf/cm ²	61 (8,800) 620
Flexural Strength	2.8mm/min	ASTM D 790	MPa (psi) kgf/cm ²	89 (12,900) 910
Flexural Modulus	2.8mm/min	ASTM D 790	MPa (psi) kgf/cm ²	2,550 (370,000) 26,000
IZOD Impact Strength (notched)	1/8 inch	ASTM D 256	J/m (ft·lbf/in) kgf·cm/cm	510 (9.5) 52
Rockwell Hardness	R-Scale	ASTM D 785	-	116
Thermal				
Heat Deflection Temperature	18.56kgf/cm ²	ASTM D 648	°F (°C)	198 (92)
VICAT Softening Temperature	5kg	ISO R 306	°F (°C)	212 (100)
Flammability				
UL 94 Classification	1.5 mm specimen 2.0 mm specimen 3.0 mm specimen		Recognized	V-0
UL 94 Classification	3.0 mm specimen		Recognized	5VA