

PHYSICAL PROPERTIES OF STAREX SAN HF-5661H

Properties at 23°C	Test Method	Test Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Ivory Color	g/cm ³	1.08
Water absorption	ASTM D570	24hr,immersion in water	%	0.3
Melt Flow Index	ASTM D1238	200°C/5Kg	g/10min	1.8
		220°C/10Kg	g/10min	15.0
		230°C/3.8Kg	g/10min	
Mold Shrinkage	ASTM D955		%	0.2~0.4
Gloss	ASTM D523		%	
Mechanical Properties				
Tensile Strength	ASTM D638	5mm/min	MPa (psi)	74 (10,530)
Elongation at Break	ASTM D638	5mm/min	%	4.6
Flexural Strength	ASTM D790	2.8mm/min	MPa (psi)	117 (16,640)
Flexural Modulus	ASTM D790	2.8mm/min	MPa (psi)	3,150
Izod Impact Strength (notched)	ASTM D256	1/4 inch	kg.cm/cm	2.4
		1/8 inch	kg.cm/cm	
Rockwell Hardness	ASTM D785	R-scale	-	75
Thermal Properties				
Heat Deflection Temperature (unannealed), 1/4"	ASTM D648	18.56Kg/cm ²	°C	95
		4.6Kg/cm ²	°C	
Vicat Softening Temperature (unannealed)	ASTM D1525	5Kg/cm ²	°C	106
		1Kg/cm ²	°C	
Flammability				
UL 94 Classification	UL94	1.5mm specimen	Recognized	HB
		3.0mm specimen	Recognized	
		6.0mm specimen	Recognized	
UV Resistance	ASTM D4459	300Hr Ivory color	Delta E	

* The above values are only the representatives of natural color specimen, not supplementary.

* Last revised ; 99/28/10