

PHYSICAL PROPERTIES OF starex Flame Retardant ABS NH-0825 S

Properties at 23°C	Test Method	Test Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Natural Color	-	1.05
Melt Flow Index	ASTM D1238	200°C/5kg	g/10min	6.5
Mechanical Properties				
Tensile Strength	ASTM D638	50mm/min	MPa(psi) kgf/cm ²	41(6,000) 420
Flexural Strength	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	63(9,100) 640
Flexural Modulus	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	2,300(330,000) 23,000
Izod Impact Strength (notched)	ASTM D256	1/4 inch	J/m(ft·lbf/in) kgf·cm/cm	-
		1/8 inch	J/m(ft·lbf/in) kgf·cm/cm	206(3.9) 21
Rockwell Hardness	ASTM D785	R-scale	-	105
Thermal Properties				
Heat Deflection Temperature (unannealed), 1/4"	ASTM D648	1.8MPa	°F	181
			°C	83
Vicat Softening Temperature (unannealed)	ISO R 306	B/50	°F	199
			°C	93
Flammability				
UL 94 Classification	UL94	0.75mm specimen 3.0mm specimen	Recognized	V-2 V-2

* The above values are only the representatives of natural color specimen, not for guarantee

* last updated : June. 07, 2006