

PHYSICAL PROPERTIES OF starex Flame Retardant ABS VH-0800 E

Properties at 23°C	Test Method	Test Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Natural Color	-	1.19
Melt Flow Index	ASTM D1238	200°C/5kg	g/10min	6.0
Mechanical Properties				
Tensile Strength	ASTM D638	5mm/min	MPa(psi) kgf/cm ²	41(6,000) 420
Flexural Strength	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	61(8,800) 620
Flexural Modulus	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	2,200(310,000) 22,000
Izod Impact Strength (notched)	ASTM D256	1/4 inch	J/m(ft-lbf/in) kgf-cm/cm	177(3.3) 18
		1/8 inch	J/m(ft-lbf/in) kgf-cm/cm	196(3.7) 20
Rockwell Hardness	ASTM D785	R-scale	-	103
Thermal Properties				
Heat Deflection Temperature (unannealed), 1/4"	ASTM D648	1.8MPa	°F	169
			°C	76
Vicat Softening Temperature (unannealed)	ISO R 306	B/50	°F	187
			°C	86
Flammability				
UL 94 Classification	UL94	1.5mm specimen	Recognized	V-0

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

* last updated : April. 14, 2006