

PHYSICAL PROPERTIES OF starex General ABS SD-0170

Properties at 23°C	Test Method	Test Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Natural Color	-	1.03
Melt Flow Index	ASTM D1238	220°C/10kg	g/10min	10.5
Mechanical Properties				
Tensile Strength	ASTM D638	5mm/min	MPa(psi) kgfcm ²	34(5,000) 350
Flexural Strength	ASTM D790	2.8mm/min	MPa(psi) kgfcm ²	49(7,100) 500
Flexural Modulus	ASTM D790	2.8mm/min	MPa(psi) kgfcm ²	1,800(260,000) 18,000
Izod Impact Strength (notched)	ASTM D256	1/4 inch	J/m(ft·lbf/in) kgf·cm/cm	353(6.6) 36
		1/8 inch	J/m(ft·lbf/in) kgf·cm/cm	461(8.6) 47
Rockwell Hardness	ASTM D785	R-scale	-	92
Thermal Properties				
Heat Deflection Temperature (unannealed), 1/4"	ASTM D648	1.8MPa	°F	183
			°C	84
Vicat Softening Temperature (unannealed)	ISO R 306	B/50	°F	203
			°C	95
Flammability				
UL 94 Classification	UL94	1.5mm specimen	Recognized	HB

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

* last updated : March. 03, 2006