

PROPERTY	ASTM or UL TEST	Value
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PHYSICAL		
DENSITY (g/cm ³)	ASTM D-1505	1.03
MELT VOLUME RATE (MELT FLOW INDEX) (ml/10min.) (g/10min.) 200°C/5kg (Cond. G) 220°C/10kg 230°C/3.8kg (Cond. I)	ASTM D-1238	0.4 (0.4) 6.00 (5.9) 1.40 (1.3)
TENSILE STRENGTH AT YIELD, Type 1, 0.125" (psi (MPa))	ASTM D-638	7,100 (49)
ELONGATION AT YIELD (%)	ASTM D-638	3.1
TENSILE STRENGTH AT BREAK, Type 1, 0.125" (psi (MPa))	ASTM D-638	5,400 (37)
TENSILE MODULUS, 0.125" (psi (MPa))	ASTM D-638	340,000 (2,350)
FLEXURAL STRENGTH, 0.125" (psi (MPa))	ASTM D-790	10,300 (71)
FLEXURAL MODULUS (psi (MPa))	ASTM D-790	340,000 (2,350)
ROCKWELL HARDNESS (R)	ASTM D-785	100
NOTCHED IZOD IMPACT STRENGTH, 0.125" 73°F (23°C) 0°F (-18°C) -22°F (-30°C)	ASTM D-256	5.7 (305) 2.8 (150) 2.1 (110)

THERMAL		
HEAT DEFLECTION TEMPERATURE AT 264 psi, 0.250" ANNEALED 8hrs. at 85°C UNANNEALED (°F (°C))	ASTM D-648	216 (102) 178 (81)
HEAT DEFLECTION TEMPERATURE AT 66 psi, 0.250" ANNEALED 8hrs. at 85oC UNANNEALED (°F (°C))	ASTM D-648	223 (106) 201 (94)
VICAT SOFTENING TEMPERATURE, RATE A, LOADING 2 (°F (°C))	ASTM D-1525	212 (100)

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