

ABS Properties

PHYSICAL PROPERTIES (units) VALUES METHODS

Specific Gravity	1.02-1.08 †	ASTM D-792
Tensile Strength, machine direction (psi)	4700	ASTM D-638
Flexural Strength (psi)	7000	ASTM D-790
Flexural Modulus (105 psi)	2.3	ASTM D-790
Impact Strength	@ 72°F (ft-lb/in notch)	8.0 ASTM D-256
Notched Izod	@ -20°F (ft-lb/in notch)	5.0
Hardness Rockwell Scale	R 88	ASTM D-785
Heat Deflection Temperature (annealed)	@ 264 psi (°F)	205 ASTM D-648
Thermal Conductivity	(BTU/in/hr/ft ² /°F)	1.7-2.1 ASTM C-177
Coefficient of Thermal Expansion	(in/in/°F x 10 ⁻⁵)	4.2-5.6 ASTM D-696
Motor Vehicle Standard	Passes	FMVSS 302