

ABS (Acrylonitrile Butadiene Styrene)

DESCRIPTION:

ABS provides a good balance of stiffness, impact resistance, low temperature performance, and colorability. Available as a natural colored, colorable compound.

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Rockwell Hardness	93	R scale	D-785
Specific Gravity	1.03		D-792
Melt Flow Rate (200°C, 5 kg)	0.50	g/10 min	D-1238
MECHANICAL			
Flexural Modulus	270,000	psi	D-790
Flexural Strength	8660	psi	D-790
Tensile Strength @ yield	5400	psi	D-638
Notched Izod Impact @ 23°C	9.7	ft-lb/in	D-256A
THERMAL			
Heat Deflection Temp 0.125 in @ 264 psi	189	° F	D-648
Coefficient of Linear Thermal Expansion	4.5×10^{-5}	in/in/°F	D-696
FLAMMABILITY			
Flame Rating – UL at 0.0625"	HB		UL94

The information provided above is based on typical values, and is believed to be reliable. No warranty is given as to the suitability of the product for a particular application. Determination of the suitability of this product for any use is solely the responsibility of the user.