

ROWAD NATIONAL PLASTIC CO. LTD.

Rowad ABS Sheets (RABSS)

Typical Properties	Units	Value	ASTM Method
Density	g/cm ³	1.05	D-792
Flammability, UL 94 Classification HB	mm	1.50	UL-94
Tensile Strength at Break	MPa	35	D-638
Elongation at Break	%	40	D-638
Tensile Modulus	MPa	2000	D-638
Flexural Strength	MPa	60	D-790
Izod Impact Charpy Un-Notched	KJ/m ²	No Breakage	D-256A / ISO 180
Impact Strength Charpy Notched	KJ/m ²	13	D-256A / ISO 180
Vicat Softening Point	°C	110	D-1525
Heat Deflection Temperature	°C	85	D-648
Rockwell Hardness	R-Scale	95	D-785

Features:

Rowad ABS Sheets (RABSS) is an engineering thermoplastic sheet. It may be called as terpolymer of Acrylonitrile Butadiene and Styrene Monomers. These three components contribute different sets of useful properties to the sheet. Acrylonitrile brings chemical resistance and heat stability. Butadiene provides impact resistance and toughness. Styrene ensures rigidity and easy processing.

Applications:

RABSS has wide range of applications such as:

1. Refrigerator inner liners.
2. Automobile Components.
3. Luggage and House Wares.
4. Sanitary Wares.
5. Artificial Stone Molds.
6. Telecommunication Components.
7. Appliances, Tools and Toys.

Colors:

RABSS is available in white and other colors as per customer requirements. Textured Surfaces are also available.

Sizes:

Sheet:

Thickness: 1 – 15 mm
 Length: Unlimited but normally 3 meters is widely in use
 Width: Thickness of 1 -2mm: 1.22 meters,
 Thickness of 2-15mm: Max. 2.05 meters

Rolls:

Thickness: 0.3 --- 1.0mm
 Length: Normally 30 meters is widely in use.
 Width: 1.22 meter

Resistance to Chemicals:

RABSS is unaffected by dilute acids, bases, oils, greases and food stuffs.

Forming and Fabrication:

RHIPS can be thermoformed, sawed, routed and drilled etc.

Weatherability:

RABSS can withstand prolonged periods of exposure to weather and sunlight without yellowness and stress cracking due to the presence of UV stabilizers and protective covers.

Mechanical Properties:

RABSS shows good insulation properties.

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Disclaimer Notice: This information is given in good faith and to the best of our knowledge, but without any warranty. Users of our materials should determine the suitability for a specific application. It is always advisable to do preliminary testing. The above data show typical average values only.