

**ROWAD NATIONAL PLASTIC CO. LTD.****Rowad ABS Sheets (RABSS)**

Typical Properties	Units	Value	ASTM Method
Density	Gm/cc	1.05	D 792
Flammability	HB	1/16"	UL-94
Tensile Strength at Break	Mpa	46	D 638
Elongation at break	%	70	D 638
Tensile Modulus	Mpa	2200	D 638
Flexural Strength	Mpa	70	D 790
Izod Impact Charpy Unnotched	Kj/m ²	No breakage	D 256A
Impact strength Charpy Notched	Kj/m ²	13	D 256A
Vicat Softening Point	°C	110	D 1525
Heat Deflection Temperature	°C	83	D 648
Rockwell Hardness	R-Scale	80	D 785

Features:

Rowad ABS sheet (RABSS) is an engineering thermoplastic sheet. It may be called as a 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 a 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, Toys

Colors

RABSS is available in white and other colors as per customer requirement. Textured surfaces are also available.

Sizes:

Thickness: 2 – 15 mm

Length: Unlimited but normally 3 meters is widely in use

Width: up to 2.05 meters

Resistance to Chemicals:

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

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.

Forming and Fabrication:

RABSS can be thermoformed, sawed, routed, drilled, etc.

Electrical Properties:

RABSS shows good insulation properties.

Rowad National Plastic Co. Ltd.
P.O Box 29452
Riyadh 11457
Kingdom of Saudi Arabia
Tel: +966 1 2651966
Fax: +966 1 2651973
Email: << marketing@alrowad.com.sa>>
Web: << www.alrowad.com.sa>>

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.