

ROWAD NATIONAL PLASTIC CO. LTD.

Rowad HIPS Sheets

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	25	D-638
Elongation at Break	%	65	D-638
Tensile Modulus	MPa	1400	D-638
Flexural Strength	MPa	25	D-790
Izod Impact Charpy Un-Notched	KJ/m ²	No Breakage	D-256A / ISO 180
Impact Strength Charpy Notched	KJ/m ²	12	D-256A / ISO 180
Vicat Softening Point	°C	100	D-1525
Heat Deflection Temperature	°C	80	D-648
Rockwell Hardness	R-Scale	40	D-785

Features:

Rowad HIPS Sheets (RHIPS) is a thermoplastic with elastomer as an additive that gives excellent extrudability, high rigidity and impact strength at low temperatures, high elongation, chemical resistance and resist cracking and splitting. It can also be made more weather resistant and durable for outdoor applications as per customer requirements, by the application of UV layers on both sides.

Applications:

RHIPS has wide range of applications such as:

1. Refrigerator Components
2. House Wares and Furniture
3. Molds for industrial Stone
4. General Packaging such as Jewelry and Watches
5. Food Packaging

Colors:

RHIPS is available in all custom colors.

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:

RHIPS is high Chemical resistance.

Forming and Fabrication:

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

Weatherability:

RHIPS 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:

RHIPS has high resistance against cracking and splitting due to high elongation.

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@rowadplastic.com

Web: www.rowadplastic.com

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.