



# ACRYLIC SHEETS

The clear choice

**Rowad**  
شركة الرواد الوطنية للبلاستيك المحدودة  
Rowad National Plastic Co. Ltd.

# Acrylic sheets

Rowad's acrylic sheets have sparkling crystal clarity and outstanding surface hardness, combined with superior weatherability and good chemical resistance. Chemically, these products are also known as polymethyl methacrylate (PMMA) plastic sheets. They are an ideal substitute for glass in many applications.



## Benefits

### Excellent transparency

Transmission of visible light (92%)  
Haze is less than 1%

### High durability

Withstands prolonged periods of exposure to weather and sunlight without yellowing or stress cracking

### Ease of fabrication and installation

Drilling, threading, tapping, routing and machining operations are easy to perform

### Chemical resistance

Unaffected by alkalis, non-oxidizing acids, detergents and aliphatic hydrocarbons

### Di-electrical strength

Good di-electric constant, low electrical conductivity

### Lightweight

Approximately half the weight of glass

### Multiple surface options

Available in plain, textured and prismatic surfaces

### Multiple color options

Transparent, translucent and various opaque colors



## Applications

Acrylic sheets have a wide range of applications.

Advertising and signage

Retail display cases

Architectural displays

Swimming pool covers

Thermoformed domes

Light covers and skylights

Shower screens and bath enclosures

Window glazing and partitions

Gifts and stationery

Aquariums and transparent tanks

Kitchen cabinets



## Commitment to quality

Rowad National Plastics, an affiliate of Tasnee, is one of the leading plastic manufacturers in the field of specialized engineering plastic conversion. Over the last 20 years, we have forged a reputation by establishing an unwavering commitment to quality, flexibility and reliability in all of our products and services. We accomplish this by adopting best practices and working to the highest international standards.

## Local production, global availability

Rowad acrylic sheets are produced at our factory in Second Industrial City, Riyadh, Saudi Arabia. Local production capability enables us to reliably serve our customers domestically and in international markets.

## Specifications

Typical properties	Units	Value	ASTM method
Density	Gm/cc	1.19	D 792
Water absorption	%	< 0.4	D 570
Flammability	-	HB	UL - 94
Tensile strength at break	Mpa	65	D 638
Elongation at break	%	5	D 638
Flexural strength	Mpa	116	D 790
Izod impact notched	Kj/m <sup>2</sup>	1.9	D 256A
Vicat softening point	°C	110	D 1525
Heat deflection temperature	°C	97	D 648
Shrinkage	%	< 3	BSEN ISO
Relative permittivity	-	2.08	-
Di-electric strength	Kv/mm	24	D 149
Dissipation factor	-	210	D 150
Light transmission	%	> 88	D 1003
Haze	%	< 1.0	D 1003
Refractive index	-	1.49	D 542

## Dimensions

Thickness	0.7mm – 15mm
Standard width	1220mm and 2050mm
Standard length	2440mm – 3000mm

## Maintenance

Rowad's acrylic sheet can be easily cleaned with a soft cloth or sponge using mild soap or detergent. Rinse and dry with a soft cotton cloth or moist cellulose sponge to prevent water spotting.

Conforms to international standards:  
ASTM D 4802  
TUV Nord EN ISO 9001:2008



## Rowad acrylic sheets store locations

### Riyadh

Al Madinah Al Munawwarah Road  
As Sinaiyah  
011-2044123

Al Madinah Al Munawwarah Road  
As Sinaiyah  
011-4475375

Tarifa Street  
Al Saada – Naseem

### Dammam

Omar Ibn Abdulaziz Street  
Al Khodariyah  
013-8393009

### Hasa

Makkah Road  
Hasa Industrial City  
013-5931673

### Al Jubail

Al Madinah Al Munawwarah Road  
Al Yarmoq

### Jeddah

Al Makarunah Street  
Al Rabwah  
012-6592035

### Buraydah

As Sinaah – Sinaiyat  
Al Sulayem  
016-3258546

### Najran

King Abdulaziz Road  
Dahbah  
017-5433298

### Abha

Industrial Area  
05-03180264

### Jazan

Industrial Area  
017-3225156

### Yanbu

Khalid Bin Alwalid  
Al Rabwa  
014-3919234

### Tabuk

Sinaiyah  
014-4252199

### Sakaka

Old Sinaiyah  
40 Street  
014-6264934

### Arar

King Khaled Road  
Industrial Zone  
014-661-1180

## Contact

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