



**Engineering
Plastics**

QUANDA

Shenzhen Quanda Plastic Co., Ltd.
Web.: www.quandaplastic.com
Email: info@quandaplastic.com
Tel: 0086-755-28113160



Typical Properties Data Sheet

The Supplier of Engineering Plastics
Rods, Sheets, Tubes, Profiles and Machining Parts

Rylar® Heat Insulation Plate Technical Data Property Sheet

①raw materials description

Standard grade:	Laminated grade	Appearance color:	---
Application:	Widely used in plastic mold, injection mold, vulcanizing machines in rubber industry, molding machines, hydraulic machines, shoe machine, machinery manufacturing, injection molding machines, hot runner systems, electrical appliances, solar circuit boards .		
Characteristics:	It is a kind of composite materials which made from high temperature resin, glass fibers, nanometer materials, insulation materials by heating laminated. Excellent low thermal conductivity, saving energy and reducing heat conduction equipment, excellent thermal insulation;excellent temperature, pressure and superior corrosion resistance.It has long life,works stably under high temperature environment,not easy to deformation.Good Flatness, tight organization, easy to process, hard to break, no delamination, can be cut processing freely.		

②raw materials technical description

High temperature resistance fiberglass Laminated Composite Sheet

Model	Rylar 5020	Rylar 5025	Rylar 5030
Color	Black	Green	Black
Density(g/cm³)	1.9	1.85	2
Absorption rate (%)	<0.2	<0.2	<0.15
Work temperature (°C)	200	250	300
Shrinkage resistance strength (Mpa) 23°C	1.65	1.4	0.75
Shrinkage resistance strength (Mpa) 200°C	280	350	420
Surface resistivity (Ω)	≥10 ¹²	≥10 ¹²	≥10 ¹²
Flexural strength (Mpa) 23°C	350	420	560
Horizontal thermal conductivity (w/m.k)	0.35	0.23	0.27
Coefficient of linear thermal expansion ×10⁻⁵K⁻¹	10~20	10~20	10~15
Normal size (MM)	1220*2440		
Normal thickness(mm)	4-50		
The tolerance of thickness (mm)	±0.1		

STATEMENT:

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Quanda will not provide any legally binding guarantee of certain properties, or any suitability.