

## Product Data – GPPS Sheet

### Standard Specifications

Typical Properties	Units	Value	Test Method	
			ASTM	ISO
<b>Mechanical</b>				
Rockwell Hardness**	R – Scale	105	D - 785	2039/1
Tensile Strength at break	Mpa	40	D – 638	527
Elongation at break	%	1-3	D – 638	527
Tensile Modulus	Mpa	3100 – 3300	D – 638	527
Flexural Strength	Mpa	70-110	D – 790	178
Flexural Modulus	Mpa	3200-3500	D – 638	527
Izod Impact Strength, 23°C Notched	Kj/m <sup>2</sup>	2	D – 256 A	180/1A
<b>Thermal</b>				
Vicat Softening Point	°C	102	D – 1525	306
Heat Deflection Temperature	°C	95	D – 648	75
Thermal Conductivity	w/m°K	0.17	C – 177	
Coefficient of Linear Expansion	10 <sup>-6</sup> °C <sup>-1</sup>	60-70	D – 696	
<b>Physical</b>				
Density	Gms/cc	1.05	D-792	1183
<b>Flammability</b>				
Flame Class Rating**	HB	1/16"	UL – 94	
<b>Optical</b>				
Light Transmission	%	> 83	D-1003	13468
Haze	%	< 1.0	D-1003	13468

**Sizes:**

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

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.