

**ROWAD NATIONAL PLASTIC CO. LTD.**

Rowad – GPPS Sheet

Standard Specifications

Typical Properties	Units	Value	Test Method	
			ASTM	ISO
Mechanical				
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 ²	2	D – 256 A	180/1A
Thermal				
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 ⁻⁶ °C ⁻¹	60-70	D – 696	
Physical				
Density	Gms/cc	1.05	D-792	1183
Flammability				
Flame Class Rating**	HB	1/16"	UL – 94	
Optical				
Light Transmission	%	> 85	D-1003	13468
Haze	%	< 1.5	D-1003	13468

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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.