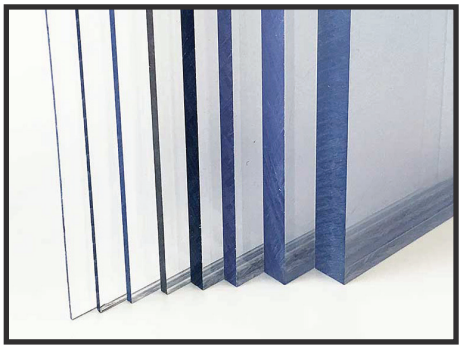
TECHNICAL DATA SHEET

Queensland Gaskets

POLYCARBONATE

Polycarbonate (PC) plastics are a naturally transparent amorphous thermoplastic. Polycarbonate plastics are engineering plastics in that they are typically used for more capable, robust materials such as in impact-resistant “glass-like” surfaces.



TECHNICAL INFORMATION

Product Definition

Co-extruded UV protection on both sides

Thickness Range

1 to 15 mm

FLAMMABILITY

Standard	Classification
EN 13501	B, s1, d0
NSP 92501, 4	M2
UL Classified	File e221255

**All the above depends on thickness.*
For additional information please contact PALRAM.

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.

PROPERTIES

Property	Standard	Conditions	Unit	Value
Density	ASTM D792		g/cm^3	1.2
Heat Deflection Temperature	ASTM D648	1.82 MPa	^{O}C	130
Service Temperature Range			^{O}C	-40 to 120
Coefficient of Linear Thermal Expansion	ASTM D696		cm/cm ^{O}C	6.5 X 10^{-5}
Thermal Conductivity	ASTM C177		W/mK	0.21
Tensile Strength at Yield	ASTM D638	10 mm/min	MPa	65
Tensile Strength at Break	ASTM D638	10 mm/min	MPa	60
Elongation at Yield	ASTM D638	10 mm/min	%	6
Elongation at Break	ASTM D638	10 mm/min	%	>90
Tensile Modulus of Elasticity	ASTM D638	1 mm/min	MPa	2300
Flexural Strength	ASTM D790	1.3 mm/min	MPa	100
Flexural Modulus	ASTM D790	1.3 mm/min	MPa	2600
Impact Falling Weight (E-50)	ISO 6603/1	3mm sheet	J	158
Rockwell Hardness	ASTM D785		R Scale	125R
Light Transmission	ASTM D1003	3mm sheet	%	89
Haze	ASTM D1003	3mm sheet	%	<0.5
Yellowness Index	ASTM D1925	3mm sheet		<1

Contact us to discuss requirements and place your order 07 3277 3922