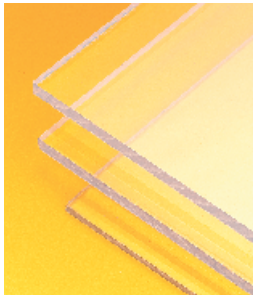


Acrylic



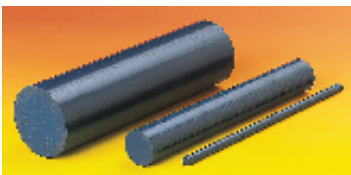
- Excellent surface quality
- Hygienic
- Consistent mechanical properties
- Low density
- Good abrasion resistance

An acrylic sheet is a most useful material in the workshop because its properties make it very suitable for a wide range of different purposes, from precision engineering components to domestic and commercial products. Some of the many applications are: signs, glazing, safety screens, roofing, lighting fittings, medical and research apparatus, furniture and craft work.

EMA43

Sheet	Order Code	1+	5+	10+	20+	50+
1010 670 3mm	320-2458					
1010 670 4mm	320-2460					
1010 670 5mm	320-2471					
1010 670 6mm	320-2483					

Techtron HPV Lubricated Polyphenylene



- High stiffness/strength
- Continuous working temperature of 200°C (max 250°C)
- Low coefficient of friction
- Hydrolysis resistance
- Excellent abrasion resistance
- Radiation resistance
- Excellent chemical resistance

Techtron HPV has a valuable combination of properties including wear resistance, load bearing capability and dimensional stability even when exposed to chemicals and high temperature environments.

Applications include: bearings, ball valves, seals, pump and compressor components.

Colour	Blue	Rockwell hardness	M84
Specific gravity	1.43	Thermal conductivity	0.3W/K.m
Water absorption	0.09%	Linear thermal expansion coefficient	5-8K ⁻¹ x 10 ⁻⁵
saturation in water		Volume resistivity	10Ω.cm
Tensile strength	75 N/mm ²	Dielectric strength	24kV/mm
Tensile modulus	2200 N/mm ²		
% Elongation	5		

EMA39

Ø mm	Qty Per Lot	Order Code	1+	5+	10+	20+	50+
Rod 300mm Length							
10	2	722-0728					
16	2	722-0730					
20	1	722-0741					
25	1	722-0753					
40	1	722-0765					
50	1	722-0777					
80	1	722-0789					

Eralyte TX Bearing Grade PETP & Solid Lubricant



- High mechanical strength, stiffness and hardness
- Continuous working temperature of 100°C (max 160°C)
- Very good creep resistance
- Low coefficient of friction
- Low moisture absorption
- Very good dimensional stability
- Excellent wear resistance

The material has a good combination of properties, distinguished by its low moisture absorption, excellent machinability and its improved bearing performance.

Applications include: bearings, thrust washers, slideways, gears, rollers, pump components etc.

Colour	Light grey	Hardness Shore D	94
Specific gravity	1.44	Thermal conductivity Linear thermal	0.29W/K.m
Water absorption	0.47%	Linear thermal expansion coefficient	6.5-8.5K ⁻¹ x 10 ⁻⁵
saturation in water		Volume resistivity	>10 ¹² Ω.cm
Tensile strength	78 N/mm ²	Dielectric strength	>21kV/mm
% Elongation	8		

EMA40

Rod Ø	Length mm	Qty Per Lot	Order Code	1+	5+	10+	20+	50+
10	1000	5	722-0790					
16	1000	2	722-0807					
20	1000	2	722-0819					
25	1000	1	722-0820					
40	1000	1	722-0832					
50	1000	1	722-0844					
80	500	1	722-0856					

Polythylene – CESTILENE® HD1000



- Very high impact resistance
- Good abrasive wear resistance
- Suitable for food contact
- Natural translucent white colour
- Continuous working temperature 60°C (Max. 80°C)
- Low temperature capability, -250°C
- Excellent chemical and UV/weathering resistance

A physiologically inert material with an outstanding combination of properties for indoor and outdoor aggressive environments.

Applications include: chute linings, chain guides, underwater bearings, hopper linings, impact plates, pulleys, textiles machinery, gaskets, pump components, guide rails.

Specific gravity	0.93	Hardness (Shore D)	62
Water absorption	Non-absorbent	Melt point	130°C
Tensile strength	40 N/mm ²	Max. service temperature (5000hrs)	60°C
Tensile modulus	552 N/mm ²	Min. service temperature	-260°C
Elongation	>50%	Linear thermal expansion coefficient	20 x 10 ⁻⁵ K ⁻¹
Flexural modulus	517 N/mm ²	Thermal conductivity	0.42 W/k.m
Shear strength	24 N/mm ²	Flammability	Slow burning

EMA19

Rod 1 Metre Length Ø mm	Qty Per Lot	Order Code	1+	5+	20+
20	3	521-152			
30	2	521-164			
40	1	521-176			
Sheet Size					
3 x 960 x 470	3	521-188			
4 x 960 x 470	2	521-190			
8 x 960 x 470	1	521-206			
10 x 1000 x 500	1	521-218			
15 x 1000 x 500	1	521-220			

All dimensions are approximate

Polypropylene



- High flexural fatigue resistance
- Good impact strength
- Resists steam cleaning
- Natural white colour
- Excellent electrical properties
- Continuous working temperature 80°C (Max. 100°C)
- Excellent chemical resistance (pH4-11)
- Limited UV resistance
- Natural white colour

Specific gravity	0.91	Relative permittivity at 1kHz	2.25
Flexural modulus of elasticity	1150 N/mm ²	Volume resistivity	10 ¹⁵ Ω.cm
Tensile strength at yield	27 N/mm ²	Surface resistivity	1011 to 1015Ω
Elongation at yield	15%		

EMA21

Rod 1 Metre Length Ø mm	Qty Per Lot	Order Code	1+	5+	20+
20	3	521-309			
30	2	521-310			
40	1	521-322			
Sheet Size					
3 x 995 x 495	3	521-334			
4.5 x 995 x 495	2	521-346			
6 x 995 x 495	2	521-358			
9 x 995 x 495	1	521-360			
10 x 995 x 495	1	521-371			
15 x 995 x 495	1	521-383			

All dimensions are approximate

continued