

# AS/AST

## Silicone, latex and elastomer rubber

Ideally suited to very high temperature applications

### Features

- Very resistant silicone membrane designed for vacuum processes at high temperatures, due to its high level of elasticity and air resistance.
- Available vulcanised or non-vulcanised, in the same dimensions, allowing fabrication of vacuum membranes to the exact size of components.
- Used as a permanent membrane with Cytec vacuum equipment, on which the VCS® or other systems are fitted.
- A curing of one hour at 150°C/302°F, with no secondary curing, is sufficient to give the material its mechanical characteristics.
- Vulcanised under pressure for 10 minutes at 110°C/230°F.
- Available in grey (AS) and clear (AST).

### Properties

	AS	AST
Maximum use temperature (Continuous peak)	200°C/392°F 250°C/482°F	200°C/392°F 250°C/482°F
Colour	Grey	Clear
Tensile strength	9MPa	9MPa
Hardness (Shore A)	49	62
Elongation at break	630%	550%
Density	1.18	1.21

### Availability

Thickness	1, 1.5, 2.5 and 3mm	0.004, 0.006, 0.01 and 0.012in
Width	1.3m	1.42yd
Length (depending on thickness)	12m, 20m	13yd, 21.8yd

Cut pieces and wider, jointed pieces are available to order.

### Storage

Store in original packaging, away from sharp objects.

Shelf life of non-vulcanised: 6 months when stored below 10°C / 50°F, 12 months when stored below -18°C / -0.4°F

Shelf life of vulcanised: 5 years when stored at room temperature.

### Health & safety

Handling of these products must conform to individual company guidelines and health and safety regulations.

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