



Tygapad Uncured synthetic rubber for manufacture of pressure pad intensifiers and inflatable mandrels

Tygapad is an uncured synthetic rubber which has been specially formulated for use in the manufacture of caul plates for pressure intensification and distribution, and flexible inflatable mandrels. It is not a silicone rubber and therefore the possibility of silicone contamination is eliminated. However, its short term temperature capabilities are similar to those of silicone and it is unaffected by epoxy resin systems.

If required for fabrication to form complex shapes, separate pieces of the rubber can be cured together to make up the shapes of the component.

A permanent release surface can be applied to the rubber by bonding **Tygavac TF 075AH** pressure sensitive adhesive film to the fully cured rubber.

Cure cycle details are available on request.

Typical Properties - Cured Rubber

Maximum operating temperature	205°C
Thickness	1.6mm
Tensile strength	11.68 MPa
Durometer hardness	48 Shore A
Colour	Black
Shelf life	12 months provided correct storage conditions applied

Storage

To avoid deterioration of properties, rolls should be stored as follows:

- Keep temperatures below 25°C, preferably below 15°C
- Avoid moist conditions.
- Protect the rolls from light and circulating air by wrapping or other suitable means.

Availability

1.60mm x 1.4m x 15m rolls

+ All statements, technical information and recommendations contained in this publication are based on tests believed to be reliable, but their accuracy and/or completeness are not guaranteed. The user shall determine the suitability of the product for his particular purpose and shall assume all risk and liability in connection therewith. All products are sold subject to Tygavac Advanced Materials standard Conditions of Sale.

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