

# RAITECH® e:FLEX® 700i



ARA:MAX® SD Aramid Fiber + Bio-Soluble Fibers + SBR + Additives

### Performance within budget.

Designed for use on: Utility grade for flanges, tanks, pipes, motors, covers, etc., for common (non-demanding) applications.

RAITECH® e:FLEX 700i is a laminated gasket made from ARA:MAX® SD fibers, aramid-based fibers, bio-soluble fibers, non-polluting and non-toxic additives, and styrene-butadiene rubber (SBR) elastomer. It is manufactured through a calendering process under strict quality controls.

It features a PK567 non-stick film for easy removal.

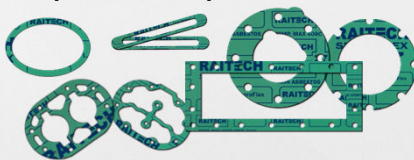
#### Applications:

RAITECH® e:FLEX 700i is recommended for general service applications in water, air, low pressure saturated steam (<10bar / 140psi), inert gases.

#### Benefits:

- Economical and multi-purpose.
- Flexible and easy to cut.
- Excellent alternative to asbestos.

#### Disponible como piezas cortadas:



## TECHNICAL DATA

| Properties:                            | e:FLEX® 700i Sheet  |
|--|---|
| Composition:                           | ARA:MAX® SD Aramid Fiber + Bio-Soluble Fibers + SBR + Additives |
| Anti-Stick:                            | PK567 - Inorganic   |
| Applicable standards:                  | ASTM F104   |
| Density:                               | 106.13 Lb/ft <sup>3</sup>                                       |
| Temperature, Max:                      | 703 °F  |
| Temperature, Min:                      | -40 °F  |
| Temperature, Continuous:               | 397 °F  |
| Pressure, Max:                         | 1,059 Psi   |
| Compressibility, ASTM F36a:            | 7-15 %  |
| Recovery, ASTM F36a:                   | >50 %   |
| Weight Increase, ASTM F146, FUEL B:    | 14% %   |
| Thickness Increase, ASTM F146, FUEL B: | 12% %   |
| Tensile Strength, ASTM F152:           | 1,885 Psi   |
| Stress Relaxation, DIN 52913:          | 28 Mpa  |
| Creep Relaxation, ASTM F38:            | 20 %  |
| Sealability, ASTM F37:                 | >1.6 ml/h   |
| Dielectric Strength, ASTM D-149:       | 7 Kv/m m  |
| pH Range:                              | 3-13  |
| "M&Y" Values @ 1/8, ASME PVRC:         | M: 3 Y: 3,500   |
| "M&Y" Values @ 1/16, ASME PVRC:        | M: 3 Y: 2,800   |
| P x T @ 1/8, Psi x °F:                 | 240,000 °F x Psi  |
| P x T @ 1/16, Psi x °F:                | 360,000 °F x Psi  |
| Thickness Tolerance, ASTM F104:        | ±10 %   |
| Dimensional tolerance:                 | ±5 %  |
| Thicknesses:                           | 1/64", 1/32", 1/16", 3/32", 1/8", 3/16" & 1/4"                  |
| Dimensions:                            | 60" x 60" (in)<br>60" x 120" (in)                               |

*\*\*The maximum temperature and pressure limits should not occur simultaneously.*



Sellabilidad en gases.

**ARM:TECH®**  
700i

**DGK® 700i**  
Kits dielectricos



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All technical information and recommendations given in this document are based on our experience. However, we do not accept any liability. The data and values presented should be reviewed by the user, bearing in mind that sealing success can only be achieved by evaluating all parameters and variables directly on the job site. The parameters in this document are approximate and may influence each other if they occur simultaneously. Please contact us for critical applications or where there is any doubt.