

## Material Profile: ePTFE Gasket

ePTFE Gasket Material (100% Expanded PTFE) is a versatile sealing material with comprehensive chemical compatibility (pH 0-14), wide temperature range capability (-268 to 260° C), non-stick and dielectric properties. It can seal liquids, while being permeable to air and gases with flexibility not capable using elastomers. ePTFE requires low compressive loads, but can withstand high compression.

### Features and Benefits

- Comprehensive Chemical Compatibility
- Wide Temperature Range
- Low Compressive Loads Requires to Seal
- High Compression Capability and Flexible
- Seals Rough Surfaces
- Good Dielectric and Non-stick Properties

### Recommended Applications

- Gaskets for Chemical Application
- Flange Plates
- Chamber Blocker Seals
- LED / Solar / LCD Process Gasket



ePTFE Gasket Service  
Temperature Range: -268 to 260° C

### Typical Physical Properties

Color	White
Compressibility % (ASTM F-36)	66%
Creep Relaxation % (ASTM F-36)	38%
Recovery % (ASTM F-36)	6%
Sealability: (ASTM F-37B)	0.16 ml/hr
- Leakage 60 psig/4 bar-Nitrogen Gas	

\*Testing was in accordance with ASTM and based on 0.8mm (1.32") sheet thickness

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

EKKSC\_Material\_Profile\_ePTFE Gasket\_FKM\_20220429