

## Grade #17 EPDM Diaphragm

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ITT Industries, Engineered Valves has developed a new EPDM diaphragm compound, grade #17 to withstand the inherent process protocols in the Pharmaceutical / Bioprocessing Industries. The grade #17 compound complies with FDA Title 21 CFR 177.2600 and conforms to USP XXIV Class VI Biological Reactivity Test sections #87 & #88 in vitro and in vivo respectively. The compound is comprised of a high molecular weight terpolymer elastomer which provides increased mechanical properties while reducing compression set. The grade #17 EPDM diaphragm is peroxide cured rather than sulfur cured enhancing the biocompatibility of the material. In addition, strict compounding and molding process controls assure repeatability. The result is consistent, high quality diaphragms assuring peak performance.



### Materials and Specifications:

#### Grade #17 EPDM (Ethylene-Propylene Diene Monomer) Diaphragm

- Peroxide cured
- Maximum temperature rating to 300° F, consult factory for steam applications
- Compound complies to Title 21 CFR 177.2600
- Compound conforms to test requirements as outlined in USP XXIV Class VI Biological Reactivity Tests section #87 & #88 in vitro and in vivo
- Traceability and Material Test reports available upon request.