



Seat Materials - EPDM

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EPDM is the abbreviated name for Ethylene Propylene Diene Monomer. In general industry, one may see other abbreviations or trade names used in lieu of EPDM such as EPT, Nordel, ECD, or EPR. All of these are the same materials as EPDM.

EPDM is a standard seat material offered in Bray resilient-seated butterfly valves. It is the most universal and economical of seat materials offered by Bray; that is, it may be used in a wider range of applications than BUNA-N (hydrocarbons are EPDM's main Achilles' heel.) Of important significance also is the fact all EPDM seat materials sold by Bray are **Food Grade**. Bray's EPDM Food Grade seats are perfectly suitable for sanitary applications as well as standard industrial uses. Note, EPDM is also available as a covering for Series 20 disc stems.

General comments regarding Bray's EPDM Seat Material:

1. Seat Cost - Most Economical.
2. Food Grade - Conforms to FDA 21 CFR 177.2600 © (4) Regulations and is suitable for sanitary services. Tested for minimum effects of odor and taste.
3. Temperature Ranges - minus 40°F to 250°F. Durometer increases when temperature is consistently below 0°F.
4. Swells severely in the presence of hydrocarbons.
5. Abrasion Resistance - Excellent
6. Resistance to Tearing - Good
7. Generally resistant and recommended for the following medias:
Alcohols, Acidic Salts, Alkaline Salts, Alkaline Solutions, Beverages, Bleach, Hot Air, Inorganic Acids (Dilute,) Neutral Salts, Water (cooling, brackish, salt.) Please go to the Software area and download the [Bray Material Selection Guide](#) - for further information on compatibility.
8. Generally not resistant to the following medias:
Chlorinated Hydrocarbons, Hydrocarbon solvents & oils, Petroleum based oils, Turpentine. Please go to the Software area and download the [Bray Material Selection Guide](#) - for further information on noncompatibility.

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