



A Subsidiary of Bray International, INC.

Available Seat Materials

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	Carboxylated Nitrile	Nitrile	Natural Rubber	EPDM	FKM	Buna-N	PTFE/EPDM
Ultraflo Compound	500	501	502	516	540	570	650
Common Name	XNBR	NBR	Gum Rubber, Isoprene	Ethylene Propylene	Fluorinated Hydrocarbon	NBR, Nitrile	PTFE
Color	Black	White	White	Black	Black	Black	White PTFE bonded to EPDM
Chemical Type	Carboxylated Copolymer of Acrylonitrile Butadiene	Acrylonitrile Butadiene	Polyisoprene	Ethylene-Propylene-Diene Co and Terpolymer	Vinylidene Fluoride Hexafluoropropylene	Acrylonitrile Butadiene	Polytetra-fluoroethylene
Temp Rating*	-20° to +250°F	0° to +212°F	-40° to +160°F	-40° to +250°F	0° to +400°F	0° to +212°F	-20° to +300°F
Generally Suitable for:	Abrasive dry services. Very resistant to extrusion at high pressures. Used in: Food, Beverages, Water and Petroleum Oils.	Abrasive dry services. Very resistant to extrusion at high pressures. Used in: Food, Beverages, Water and Petroleum Oils.	Abrasive dry services, water and air. Not suitable for hydrocarbon service.	Less than 10% acids inorganic and organic, alcohols, alkaline salts and solutions, dry bulk, water. Not suitable for hydrocarbons. Used in: Food/Beverages	All aromatic, aliphatic and halogenated hydrocarbons. Not for: Ketones, Esters or in combination with hot water and oil.	General applications and hydrocarbon service, less than 40% aromatics applications. Used in: Food, Beverages, Water and Petroleum Oils.	For highly oxidizing acids: (Nitric, Sulfuric, and Alkalis) also hydrocarbon service. Used in: Food/Beverages. Not for abrasive service. Not for use with slip on flanges.

Note:
Other compounds available on request.
Consult factory for availability.

The above chart is to be used only as a guide in selecting the most satisfactory combination of elastomers for resistance to various chemical solutions. It must be stressed that this information is offered only as a guide, and due to variables in actual service conditions, the accuracy of the ratings cannot be guaranteed. Actual service life can be determined only by the user evaluating the elastomer in actual service conditions.

This chart should be used as a General Guide for a particular group of compounds. It does not mean that the seat rating necessarily applies to every possible compound that could be classified in the named group.

* All temperature ratings are for continuous service