



FLUOROPRENE® XP

THE PREMIUM UNIVERSAL MATERIAL FOR THE PROCESSING INDUSTRY

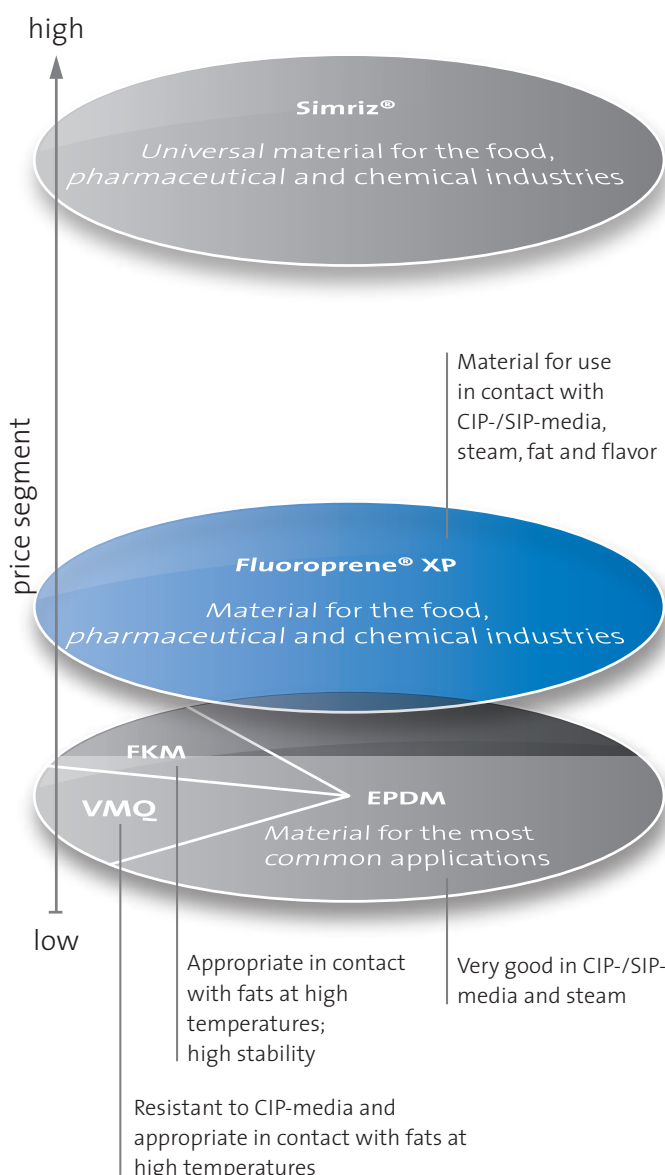
A wide variety of applications that are impressive right down the line: Fluoroprene® XP is the universal sealing material for steam sterilization, aggressive CIP-/SIP-media and high-fat concentrations.

Production processes in the food industry, in particular, have required the use of a wide range of different material designs. Based on the food's fat, flavor or acid concentration and the specifications of the CIP/SIP and steam sterilization processes, seals made of EPDM, VMQ or FKM are used. Fluoroprene® XP makes this differentiation unnecessary: The material demonstrates a high degree of resistance in all the food industry's critical areas and large segments of the pharmaceutical and chemical industries. It also stands out for its long service life. An extractables study confirmed the pure characteristics of the Fluoroprene® XP material family as evidenced by the very low TOC values and no detectable extracts.

The material has another advantage: low absorbability of flavors from product media and the corresponding prevention of flow back into product media. This helps to keep the flavor transfer with Fluoroprene® XP as low as possible.

HIGH-PERFORMANCE CAN BE VERY COST-EFFECTIVE

Fluoroprene® XP offers high sealing performance for a broad array of applications at attractive prices. This makes it a cost-effective alternative for your sealing needs, with strong potential as a substitute for other materials.



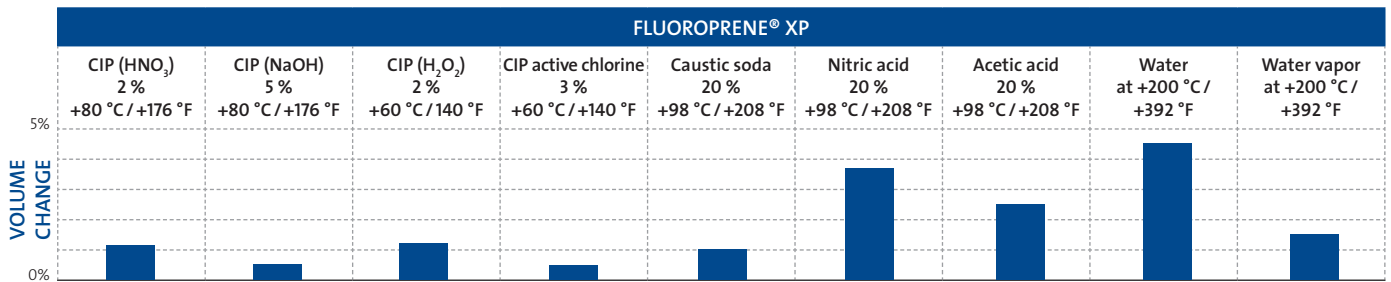


FEATURES AND BENEFITS

One-compound-per-plant-strategy

The unique media resistance of Fluoroprene® XP ensures the complete safeguarding of your processes while maintaining high economic efficiency. The range of temperatures is between -15° C and +200 °C (-59 °F until +392 °F). Storage tests of 75 Fluoroprene®

XP 40 over 168 hours provide a good example of its performance: They show that Fluoroprene® performs well even in concentrated acids and bases at high temperatures, as well as in water and water vapor.



Fluoroprene® XP family

Freudenberg Sealing Technologies' Fluoroprene® XP portfolio consists of five materials that are available in two hardness

grades. The appropriate compound is chosen based on the area of application and the need to bond to metal or fabric.

MATERIAL	O-RING	DIAPHRAGM	MOLDED PART	CLAMP SEAL	ABILITY TO MACHINE	CONFORMITY/APPROVALS
75 Fluoroprene® XP 40	x					<ul style="list-style-type: none"> • EU (Reg.) 1935/2004 • USP Class VI – 121 °C/250 °F • 3-A® Sanitary Standards • FDA 21 CFR 177.2600
75 Fluoroprene® XP 41	x	x	x	x	x	<ul style="list-style-type: none"> • EU (Reg.) 1935/2004 • USP Chapter 87 • USP Chapter 88 • 3-A® Sanitary Standards • NSF 51 • FDA 21 CFR 177.2600
75 Fluoroprene® XP 44		x				<ul style="list-style-type: none"> • EU (Reg.) 1935/2004 • FDA 21 CFR 177.2600
85 Fluoroprene® XP 42			x			<ul style="list-style-type: none"> • EU (Reg.) 1935/2004 • FDA 21 CFR 177.2600
85 Fluoroprene® XP 43			x		(x) in progress	<ul style="list-style-type: none"> • EU (Reg.) 1935/2004 • USP Chapter 87 • USP Chapter 88 • 3-A® Sanitary Standards • FDA 21 CFR 177.2600

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