



Compound Technical Data Sheet F440 Viton™– Uncured Sheet

F440 Viton™ from pd3 Technologies is a 75 durometer, high strength Viton compound with a peroxide catalyst cure. It is optimized for compression set resistance and fluid resistance to aromatic hydrocarbons, oils, acids, and alcohols. It has a shelf life of 18 months after mixing at 70°F, and longer at 40°F. It is stocked at 0.025” thickness. Larger orders can be 0.02” – 0.25” thickness, up to 60” roll width. It has a strong co-bond with silicone and is a common high performance, multi-application Viton choice.



F440 is recommended to be cured under vacuum in an autoclave, or in a compression mold for a minimum of 30 minutes at 330F. Curing at 350F for 1 hour is typical. 40-50 PSI minimum autoclave pressure is recommended. A 4-hour oven post cure (no vacuum) at 350F is recommended but not required for all applications. For technical, quality, or product safety questions, please contact pd3 Technologies.

Physical Property	Test Method	Typical Value
Specific Gravity	ASTM D297	1.80
Hardness (Durometer, Shore A)	ASTM D2240	75
Elongation (%)	ASTM D412	230%
Tensile Strength (psi)	ASTM D412	2550
Tear Strength (ppi)	ASTM D612, Die B	130
Temperature Use Range	NA	15° to 520° F
Compression set (70 hrs. 212F)	ASTM D395 Method B	7%
Coefficient of Thermal Expansion	ASTM E831	1.55x10 ⁻⁶ (/° F)
Color	NA	Black

Typical values should not be considered minimum values for qualification purposes. Users are encouraged to conduct their own testing to determine the suitability for their application. Viton is a trademark of Chemours.