

Fluoroelastomer F2630-G

Technical Data Sheet

F2630-G is a low viscosity copolymer of VDF and HFP gumstock without curative incorporated.

F2630-G can be mixed using typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers. Finished goods can be produced by a variety of rubber processing methods. Basic characteristics of the polymer are as follows:

Properties	Typical Values
Fluorine Content, %	66
Specific Gravity	1.82
Color	White or light amber
Solubility	LMW Ketones and esters
Mooney Viscosity ML 1+10@121℃	30

Typical Properties of F2630-G

Test Compound	
Polymer	100
MT Black (N990)	phr 30
MgO	Phr 3
Ca(OH) ₂	phr 6
Phosphonium Accelerator	Phr 0.5
Dihydroxy Crosslinker	Phr 2.0
Curing Condition	Press 10min at 170℃ Oven 16h at 230℃

Typical Rheological Properties

Monsanto Moving Die Rheometer (MDR2000®)

100cpm, 0.5°Arc, 6 minutes, 177℃

ML, Minimum Torque	N m	0.12
ts2, Time to 2 inch-lb rise from minimum		2'04"
t'90, Time to 90% cure		3'50"
MH, Maximum Torque	N m	1.74

Typical Physical Properties

Press Cure 10 minutes @ 170℃

Post Cure 16 hours @ 230℃

Tensile (ASTM D412)	Mpa	13.2
Elongation at break (ASTM D412)	%	210
Hardness (ASTM D2240)	Shore A	77

Compression Set, [ASTM D395 Method B (Disc)]

Aged 70 hours @ 230℃	%	18
----------------------	---	----

Because conditions of product use are outside 's control and vary widely, User must evaluate and determine whether a FSE product will be suitable for user's intended application before using it.

The following is made in lieu in all express and implied warranties (including warranties of merchantability and fitness for a particular purpose): If a FSE product is proved to be defective, FSE's only obligation, and user's only remedy, will be, at FSE's option, to replace the quantity of product shown to be defective when user received it or to refund user's purchase price. In no event will FSE be liable for any direct, indirect, special, incidental, or consequential loss or damage, regardless of legal theory, such as breach of warranty or contract, negligence, or strict liability.