

## FLEXGARD® FLUOROELASTOMER (FKM, VITON®)



RM Biltrite™ Flexgard® Fluoroelastomer Rubber, also known as FKM or Viton®, is a high-performance elastomer valued for its excellent heat stability and strong resistance to aggressive fuels and chemicals. FKM performs a broad range of resistances when exposed to oils, fuels, lubricants, and most mineral acids. It also has good resistance to many aliphatic hydrocarbon fluids used as solvents in other rubbers. FKM exhibits exceptionally good compression set characteristics at high temperatures and good resistance to atmospheric oxidation, sun and weather exposure, fungus and mold.

**Applications:** Automotive, fluid power, appliance and chemical industries, fuel system seals, expansion joints and gaskets.



### STYLE #865: FLEXGARD® COMMERCIAL FKM

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Tear		Density	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	lb/in	kg/cm	g/cm³	°F	°C			
IR865-75	75	700	4.8	200	112	20	2.05	-22 - +482	-30 - +250	Black	Smooth	No talc / film liner

### STYLE #867: FLEXGARD® COMMERCIAL FKM

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Tear		Density	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	lb/in	kg/cm	g/cm³	°F	°C			
IR867-75	75	1000	6.9	200	101	18	1.95	-22 - +482	-30 - +250	Black	Smooth	No talc / film liner

### STYLE #870: FLEXGARD® COMMERCIAL FKM

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Tear		Compression Set at 212° F (100° C) for 22 Hours	Density	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	lb/in	kg/cm	max %	g/cm³	°F	°C			
IR870-75	75	1420	9.8	250	168	30	+50	1.95	-22 - +482	-30 - +250	Black	Smooth	No talc / film liner

### STYLE #872: FLEXGARD® COMMERCIAL VITON®

Item ID	Durometer Hardness	Tensile Strength (min)		Elongation	Tear		Compression Set at 212° F (100° C) for 22 Hours	Density	Temperature Range		Color	Finish	Surface
	Shore A (± 5)	psi	MPa	min %	lb/in	kg/cm	max %	g/cm³	°F	°C			
IR872-75	75	1280	8.8	180	168	30	+50	2.00	-22 - +482	-30 - +250	Black	Smooth	No talc / film liner

### ROLL DIMENSIONS

Units	Widths		Thicknesses								
U.S.	36"	48"	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
Metric	91.4 cm	121.9 cm	1.6 mm	2.4 mm	3.2 mm	4.8 mm	6.4 mm	9.5 mm	12.7 mm	19.1 mm	25.4 mm

Custom sizes available upon request

RM Biltrite™ · P: 800.877.8775 · F: 888.894.0204 · sales@rmbiltrite.com · www.rmbiltrite.com · 8525 Dunwoody Pl · Sandy Springs, GA 30350

Typical Physical Properties: Per ASTM D300, Section 7.1, Buyer agrees that when standard test specimens are cut from finished parts in accordance with Practice D3183, a deviation to the extent of 10% on tensile strength and elongation values is permissible. All of our thermoplastic products are a proprietary blend of plastics and other components. In any application, the customer should evaluate the performance requirements and conditions that will affect the working life of the thermoplastic product. Where appropriate, field tests may need to be performed before the type of thermoplastic is selected. If the customers' quality assurance includes the testing of thermoplastic materials, the test criteria should specify the physical property of the ASTM specification that is most critical to its application. Polymer type alone may not be adequate for the selection of the thermoplastic that is best suited for a specific application. Buyer acknowledges the use of its own knowledge, expertise, skill, experience and judgment in the selection of products and/or in the selection, provision, or designation of any specifications or set of specifications for a product(s) agreed upon by the Buyer and Seller. Buyer acknowledges that Seller shall not be liable for, and Buyer assumes all risk of, inaccurate or unsuitable specifications or information provided, selected or designed by the Buyer. RM BILTRITE™ LLC MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE SUITABILITY OF MATERIALS FOR A PARTICULAR PURPOSE. BUYERS AND USERS MUST DETERMINE THE SAFETY AND SUITABILITY OF RM BILTRITE™ LLC'S PRODUCTS FOR THEIR OWN PURPOSES, AND ASSUME ALL RISK, RESPONSIBILITY, AND LIABILITY FOR ALL INJURIES, LOSSES, OR DAMAGES ARISING FROM THE APPLICATION OF THE INFORMATION OR USE OF RM BILTRITE™ LLC'S PRODUCTS, WHETHER OR NOT CAUSED BY RM BILTRITE™ LLC'S NEGLIGENCE OR BASED ON STRICT PRODUCT LIABILITY. Terms and conditions are available upon request.