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