

## Technical Data Sheet

### Cri-Line FKM-MW0185 EC Static Dissipative, High Fluorine FKM, Designed for Low Particle Applications

Cri-Tech's new **Cri-Line® FKM Static Dissipative FKM compounds** can now be tailored to meet your most demanding application requirements. These unique compounds provide lower durometer, improved conductivity, processability and fuel swell vs. standard carbon black FKM compounds. In addition, they do this without sacrificing critical properties such as tensile, elongation, and compression set. Already proven in fuel O-ring sealing and roller applications, these new compounds are ready to tackle all your fluoroelastomer needs including fuel and transfer hose/tubing.

#### Special Features

- Softer durometer vs. conventional fillers
- Excellent flexibility, heat performance & chemical resistance
- Low particle sloughing.
- Static Dissipative - Maintains electrical properties even at elevated temperature.
- Low permeation vs. cb compounds

#### Typical applications

- Seals & Gaskets
- Fuel and Chemical transfer
- Tubing/sheet/film
- Wire & Cable

#### Typical Property Data

		ASTM M2HK715	Typical Results
<b>Physicals</b>			
Hardness	Shore A	70-80	77
Tensile Strength	psi	1,500 min	2,157.00
Elongation,%	%	200 min	409
25% Modulus	psi	REPORT min	321
50% Modulus	psi	REPORT min	554
100% Modulus	psi	REPORT min	808
Specific Gravity		REPORT min	1.89
Color			black

<b>Compression Set (ASTM D395)</b>			
Time hrs	hrs	22 min	22
Temp	°C	200 min	200
25% Deflection	Deflection	Buttons min	Buttons
Method B	button %	50 max	15.9

<b>Surface Resistivity</b>			
Surface Resistivity	Ohm/sq	REPORT min	0.251K

## Typical Property Data (cont.)

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<b>Air Age % Change (ASTM D573)</b>			
Time hrs	hrs	70 min	70
Temperature	°C	250 min	250
Durometer	pts	+10 max	0.0
Tensile Strength	%	-25 min	-15.0
Ultimate Elongation	%	-25 min	19.6

<b>Immersion (ASTM D471)</b>			
Time	hrs	70 min	70
Temp	°C	150 min	150
Fluid		IRM OIL min	IRM903
Volume change	%	10 max	1.44

<b>Immersion (ASTM D471)</b>			
Time	hrs	70 min	70
Temp	°C	23 min	23
Fluid		FURL C min	FuelC
Durometer	pts	-5 to 5	-2.0
Tensile Strength	%	-25 min	-15.7
Volume change	%	0 to 10	1.1

## Handling/Safety Information

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- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed

## Packaging

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- 25 kg boxes