

# CHEMICAL PROCESSING PRODUCT PROFILES

## **UL Approved EPDM for General Purpose Applications E34 (E17434) Black**

### **General**

Excellent Resistance to Water, Anti-Freeze & Brake Fluids  
Excellent Heat Resistance properties to 150° C  
Excellent Low Temperature properties to -55° C  
Low Compression Set  
Good Ozone and Weathering Resistance

### **Material**

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M3DA710A26B36C32EA14F19,  
UL778, UL1081, & UL1563 Approval

## **EPDM for Potable Water & Food E61 (E17331) Black**

### **General**

ANSI/NSF Standard 61 Certified For Potable Water Applications  
Conforms with FDA 21 CFR177.26 for use with Food Contact  
Excellent Heat Resistance properties to 150° C  
Excellent Low Temperature properties to -55° C  
Low Compression Set  
Good Ozone and Weathering Resistance

### **Material**

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2DA710A26B36EA14F19

## **Standard Fluorocarbon F18 (F13768) Brown**

### **General**

Excellent heat resistance  
Excellent resistance to engine oils and lubricants  
Low compression set  
Good fuel resistance  
Excellent Ozone and Weathering Resistance

### **Material**

Brown in Color  
100% Virgin Materials  
Meets ASTM specification M2HK610 A1-10B37F15

## **High Fluorine Fluorocarbon F35 (F13755) Black**

### **General**

Excellent fuel resistance.  
Typically used with Fuel blends containing MTBE, Methanol or Ethanol (Flex Fuel)  
Excellent resistance to brittleness at low temperatures  
Excellent permeation resistance  
Good compression set properties  
Excellent heat resistance

### **Material**

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2HK810A1-10B37B48EF31Z1  
Z1= Volume Change in 100% Methanol, 70 hrs. @ 23°C,  
0 to 10%

## Standard Fluorocarbon F40 (FI3740) Brown

### General

Excellent heat resistance  
Excellent resistance to engine oils and lubricants  
Low compression set  
Good fuel resistance  
Excellent Ozone and Weathering Resistance

### Material

Brown in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2HK810A1-10B38EF31EO78Z1  
Z1= Duro75±5

## High Fluorine Fluorocarbon F43 (FI3742) Black

### General

Excellent fuel resistance.  
Typically used with Fuel blends containing MTBE,  
Methanol or Ethanol (Flex Fuel)  
Excellent permeation resistance  
Very good chemical resistance  
Very good steam resistance  
Good compression set properties  
Good resistance to amine containing fluids  
Excellent heat resistance

### Material

Black in Color  
100% Virgin Materials  
Meets ASTM specification M2HK710A1-10B38EF31F15Z1  
Z1= Volume Change in 100% Methanol,  
70 hrs. @ 23°C, 0 to 5%

## Special Amine Resistant Fluorocarbon F44 (FI3744) Black

### General

Can replace Aflas™ in Many Applications  
Excellent High Temperature Properties  
Excellent Resistance to Automatic Transmission Fluids,  
Caustic Fluids & Gear Lubricants  
Excellent Ozone and Weathering Resistance

### Material

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2HK810A1-10B37Z1  
Z1= Duro 75±5

## Standard Fluorocarbon F48 (FI3753) Black

### General

Excellent heat resistance  
Excellent resistance to engine oils and lubricants  
Low compression set  
Good fuel resistance  
Good chemical resistance  
Excellent Ozone and Weathering Resistance

### Material

Black in Color  
100% Virgin Materials  
Meets ASTM specification M2HK707A1-10B37F15Z1  
Z1= Shore A Durometer 75± 5

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## Fluorocarbon/Fluorosilicone Blend F52 (FI3661) Brown

### General

Good fluid resistance  
Typically used in fuel applications  
Improved low temperature capability  
Good permeation resistance

### Material

75 duro fluorocarbon/fluorosilicone blend  
100% virgin materials  
UL Approved  
Meets specifications  
SAE J200/ASTM D2000  
M4HK810F17Z1-Z8\*  
\*Refer to lab report

## Extreme Chemical Resistant Fluorocarbon F65 (FI3678) Black Viton® Extreme

### General

Excellent Polar Solvent Resistance (Better Than GF® Types)  
Excellent Resistance to Engine Oils, Gear Lubricant & Hydraulic Fluid  
Excellent Resistance to Strong Acids and Bases  
Best Chemical Resistance Available in a Non-Perfluoroelastomer  
Good Heat Resistance  
Excellent Ozone and Weathering Resistance

### Material

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M3HK814B38EF31Z1  
Z1=Duro 75 ± 5

## High Fluorine Fluorocarbon F56 (FI3756) Black

### General

Excellent fuel resistance.  
Typically used with Fuel blends containing MTBE, Methanol or Ethanol (Flex Fuel)  
Excellent resistance to brittleness at low temperatures  
Excellent permeation resistance  
Good compression set properties  
Excellent heat resistance

### Material

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2HK710A1-10EF31Z1  
Z1= Volume Change in 100% Methanol, 70 hrs. @ 23°C, 0 to 10%

## Standard Fluorocarbon F75 (FI3664) Black

### General

Excellent heat resistance  
Excellent resistance to engine oils and lubricants  
Low compression set  
Good fuel resistance  
Excellent Ozone and Weathering Resistance

### Material

Black in Color  
100% Virgin Materials  
UL Approved  
Listed on the QPL for Aerospace specification AMS 7276  
Meets specifications  
SAE J200/ASTM D2000  
M2HK710A1-10B38EF31EO78F15Z1  
Z1= Duro 75 ± 5

## High Fluorine Fluorocarbon F86 (F13728) Green GF® Type

### General

Excellent fluid resistance  
Typically used in flex fuels  
(gasohol, fuel blends containing  
Methanol and Ethanol)  
Improved low temperature flexibility  
Best permeation resistance

### Material

75 duro high fluorine elastomer  
100% virgin materials  
UL Approved  
Meets specifications  
SAE J200/ASTM D2000  
3HK715A1-10 B37B38C12EF31EO78Z1Z2  
Z1 = Duro 75 ± 5  
Z2 = Color Green  
Green for identification purpose

## Chloroprene for General Purpose Applications N20 (N18538) Black

### General

High Strength & Abrasion Resistance  
Good Heat Resistance to 100° C  
Good Resistance to Oils & Chemicals  
Good Resistance to the Environment

### Material

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M4BC714A14B14EO14EO34

## UL Approved NBR for General Purpose Applications M07 (H14327) Black

### General

Good Resistance to Engine Fluids & Oils  
Good Heat Resistance to 100° C  
Good Resistance to LP & Natural Gas  
Low Compression Set  
Good Resistance to Fire Extinguishing Agents

### Material

Black in Color  
100% Virgin Materials  
Meets specifications  
SAE J200/ASTM D2000  
M2BG710B14EF11EF21EO34