

FUEL/TRANSPORTATION PRODUCT PROFILES

This is a listing of our most popular compounds for fuel delivery systems. Precix has a library of over 2,500 compounds. Please contact Precix Engineering at materials-engineering@precixinc.com for more information.

Low Temperature Fluorocarbon F05 (F13705) Blue GLT® Type

General

Excellent fluid resistance
Typically used in fuel applications
Superior low temperature flexibility
Good permeation resistance

Material

75 duro low temperature fluorocarbon elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
M2HK710A1-10B37F15Z1Z2
Z1 = Duro 75 ± 5
Z2 = Color Blue

Low Temperature High Fluorine Fluorocarbon F07 (F13723) Black GFLT® Type

General

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

Material

70 duro low temperature high
fluorine fluorocarbon elastomer
100 % virgin materials
Meets specifications
SAE J200/ASTM D2000
M2HK710A1-10B38EF31F15Z1
Z1 = Methanol resistance 24 hrs @ 23°C (73°F)
volume change 0 to 10%

Low Temperature High Fluorine Fluorocarbon F31 (F13731) Black GFLT® Type

General

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

Material

80 duro low temperature high fluorine
fluorocarbon elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
M2HK810A1-10B38EF31F15Z1
Z1 = Methanol resistance 24 hrs. @ 23°C (73°F)
volume change 0 to 10%

Fluorocarbon/Fluorosilicone Blend F52 (F13661) 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

FUEL/TRANSPORTATION PRODUCT PROFILES

Low Temperature High Fluorine Fluorocarbon F77 (F13729) Gray GFLT® Type

General

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

Material

70 duro low temperature high fluorine elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
4HK715B38C12EF31EO78F17Z1Z2
Z1 = Duro 75 ± 5
Z2 = Color Gray
Gray for identification purpose

Low Temperature Fluorocarbon F79 (F13724) Black GLT® Type

General

Excellent fluid resistance
Typically used in fuel applications
Superior low temperature flexibility
Good permeation resistance

Material

75 duro low temperature
fluorocarbon elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
M2HK710A1-10B37F15Z1
Z1 = Duro 75 ± 5

Low Temperature High Fluorine Fluorocarbon F78 (F13730) Black GFLT® Type

General

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

Material

70 duro low temperature high fluorine elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
4HK715B38C12EF31EO78F17Z1
Z1 = Duro 75 ± 5

Low Temperature Fluorocarbon F85 (F13727) Black GLT® Type

General

Excellent fluid resistance
Typically used in fuel applications
Superior low temperature flexibility
Good permeation resistance

Material

85 duro low temperature
fluorocarbon elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
M2HK810A1-10B37F15Z1
Z1 = Duro 85 ± 5

High Fluorine Fluorocarbon F86 (FI3728) 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

Toughened Fluorosilicone GI7 (LI3430) Yellow

General

Excellent fluid resistance
Typically used in fuel applications
Excellent low temperature flexibility

Material

75 duro toughened fluorosilicone
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
M2FK807A19F19Z1-Z6

Semi-Conductive High Fluorine Fluorocarbon F87 (FI3787) Black

General

Semi-Conductive Fluorocarbon
Excellent Resistance to Fuels/ Flex Fuels
Strong Ability to Dissipate Static Charge
Excellent Heat Resistance
Superior Property Profile

Material

Black, 100% Virgin Material
Typical Volume Resistivity of 10^1 - 10^3 ohm-cm
Meets specifications
SAE J200/ASTM D2000
M2HK814A1-10B37C12F15Z1
Z1 = Duro 85±5

HNBR for High Temperature Oil Resistance H76 (HI4576) Black

General

Good Resistance to Engine Fluids & Oils
Excellent Heat Resistance properties to 150° C
Good Resistance to Refrigerants & Coolants
Excellent Low Temperature Properties
Low Compression Set
Good Ozone and Weathering Resistance

Material

Black in Color
100% Virgin Materials
Meets specifications
SAE J200/ASTM D2000
M2DH710A26B36EO16EO36F17

FUEL/TRANSPORTATION PRODUCT PROFILES

High Strength Fluorosilicone L53 (L13446) Orange

General

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

Material

75 duro high strength fluorosilicone elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
2FK606A19C12EF31F19Z1Z2
Z1 = Duro 70 ± 5
Z2 = Color Orange
Orange for identification purpose

High Strength Fluorosilicone L54 (L13443) Yellow

General

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

Material

75 duro high strength fluorosilicone elastomer
100% virgin materials
Meets specifications
SAE J200/ASTM D2000
2FK606A19C12EF31F19Z1Z2
Z1 = Duro 70 ± 5
Z2 = Color Yellow
Yellow for identification purpose
