



VITON GFS

MATERIAL SPECIFICATION SHEET

General Information and Application

75 Durometer black Viton GFS fluoroelastomer compound.

High Temp:	400°F (204°C)
Low Temp:	Dynamic: 21.2°F (-6°C) Static: -2.2°F (-19°C)

Compound Information:

% Fluorine:	70%
Cure System:	Peroxide
Colour:	Black
Compounded for:	Transfer & compression moulding.

- Form Slab, Strip or Calendered Sheet
- Storage Preserves best when stored in a cool/dry environment. Rheometer retesting suggested @ 6 months.

Typical Rheological Properties:

Conditions:	MDR .5 ARC 4 minutes @ 370°F (188°C) Per ASTM D-6204.
Min torque:	1.5 Inch/lbs.
Max torque:	25.4 Inch/lbs.
Scorch Ts1:	0.35 Minutes.
Cure Tc90:	0.85 Minutes.

Typical Physical Properties:

Conditions:	Press cured 10 minutes @ 370°F (188°C) and Post cured for 16 hours @ 480°F (250°C)
Tensile Strength (Per ASTM D-412):	3200 PSI (22.0 Mpa)
100% Modulus (Per ASTM D-412):	840 PSI (5.8 Mpa)
Ultimate Elongation (Per ASTM D-2240):	300%
Shore A Hardness (Per ASTM D-2240):	76 Pts
Specific Gravity (Per ASTM D-297):	1.92 (H2O = 1)
Compression Set (Per ASTM D-395):	11.36% Conditions: 222 hrs @ 392°F (200°C)

Compounded to Meet:

ASTM D-2000 Call out:

M2HK 714 A1-10, B38, C12, EF31,
EO78, Z1
Z1= 75±5 Durometer Shore "A"



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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