

Product Overview

Applications: General-purpose O-rings, irregular-shaped rings and gaskets.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1175 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1175
Appearance			Opaque rubber compound, brown / black or custom color
Polymer type			FKM terpolymer (VDF/TFE/HFP)
Fluorine content		%	68
Specific gravity	ASTM D297	g/cm ³	1.98
Hardness	ASTM D2240	Shore A	75
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	200
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

COMPLIANCE

- **REACH:** SVHC / potential-SVHC declaration available on request.
- **RoHS:** Statement of compliance to EU Directive 2015/863 available on request.
- **ISO 9001:** Manufactured under an ISO 9001 quality management system.

STORAGE AND HANDLING

1. Not classified as hazardous for transport.
2. Store in a cool, dry, well-ventilated area, away from direct sunlight, heat sources and ozone-generating equipment.
3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 12 months (bisphenol-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
7. During transport and storage, avoid heavy compression and prevent solarization.

QUZHOU DFS CHEM CO., LTD.

LOCATION

NO 288, Qinjiang East Road, Kecheng
Quzhou, Zhejiang, China

CONTACT US

Phone: +86 570 2969501
Email: info@peflon.com

Product Overview

Applications: Automotive oil seals, framework oil seals and valve-stem oil seals; excellent metal-bonding adhesion.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1272 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1272
Appearance			Opaque rubber compound, brown or custom color
Polymer type			FKM terpolymer (VDF/TFE/HFP)
Fluorine content		%	68
Specific gravity	ASTM D297	g/cm ³	1.98
Hardness	ASTM D2240	Shore A	72
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	260
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 12 months (bisphenol-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
7. During transport and storage, avoid heavy compression and prevent solarization.

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Product Overview

Applications: High-performance O-rings and irregular-shaped rings with enhanced resistance to media, acids and alkalis; compression, transfer and injection molding.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1375 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1375
Appearance			Opaque rubber compound, black or custom color
Polymer type			FKM terpolymer (VDF/TFE/HFP), high-performance
Fluorine content		%	68
Specific gravity	ASTM D297	g/cm ³	1.98
Hardness	ASTM D2240	Shore A	75
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	200
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

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Product Overview

Applications: Automotive oil seals, framework oil seals and valve-stem oil seals; dipolymer with strong metal-bonding adhesion.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1470 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1470
Appearance			Opaque rubber compound, brown or custom color
Polymer type			FKM dipolymer (VDF/HFP)
Fluorine content		%	66
Specific gravity	ASTM D297	g/cm ³	1.95
Hardness	ASTM D2240	Shore A	70
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	260
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 12 months (bisphenol-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
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Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1475 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1475
Appearance			Opaque rubber compound, brown or custom color
Polymer type			FKM dipolymer (VDF/HFP)
Fluorine content		%	66
Specific gravity	ASTM D297	g/cm ³	1.95
Hardness	ASTM D2240	Shore A	75
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	260
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 12 months (bisphenol-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
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Applications: Automotive oil seals, framework oil seals and valve-stem oil seals; dipolymer with strong metal-bonding adhesion.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FKM Compound PF-F1480 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F1480
Appearance			Opaque rubber compound, brown or custom color
Polymer type			FKM dipolymer (VDF/HFP)
Fluorine content		%	66
Specific gravity	ASTM D297	g/cm ³	1.95
Hardness	ASTM D2240	Shore A	80
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	260
Compression set (24 h / 200 °C)	ASTM D395 B	%	20
Cure system			Bisphenol

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 12 months (bisphenol-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
7. During transport and storage, avoid heavy compression and prevent solarization.

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Product Overview

Applications: O-rings, irregular-shaped rings and gaskets for strong acids, strong alkalis, amines and high-temperature steam; chemical and petroleum industry.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF FEPM Compound PF-F2077 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F2077
Appearance			Opaque rubber compound, black or custom color
Polymer type			FEPM (TFE / propylene)
Fluorine content		%	57
Specific gravity	ASTM D297	g/cm ³	1.65
Hardness	ASTM D2240	Shore A	77
Tensile strength	ASTM D412	MPa	15
Elongation at break	ASTM D412	%	260
Compression set (24 h / 200 °C)	ASTM D395 B	%	15
Cure system			Peroxide

COMPLIANCE

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STORAGE AND HANDLING

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2. Store in a cool, dry, well-ventilated area, away from direct sunlight, heat sources and ozone-generating equipment.
3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 6 months (peroxide-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
7. During transport and storage, avoid heavy compression and prevent solarization.

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Product Overview

Applications: Soft O-rings, diaphragms and low-closure-force sealing parts requiring wide service temperature with oil resistance; aerospace, automotive and medical.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF Fluorosilicone Compound PF-F3040 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F3040
Appearance			Opaque rubber compound, custom color
Polymer type			FVMQ (fluorosilicone)
Hardness	ASTM D2240	Shore A	40 ± 5
Tensile strength	ASTM D412	MPa	≥ 9
Elongation at break	ASTM D412	%	300 ± 50
Tear strength	ASTM D624	kN/m	3 – 8
Compression set	ASTM D395 B	%	15 – 20
Volume change (fuel B, 24 °C × 70 h)		%	≤ 20
Service temperature		°C	–50 to 220
Cure system			Peroxide

COMPLIANCE

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 6 months (peroxide-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
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Product Overview

Applications: General O-rings, oil seals and valve parts requiring wide service temperature with oil resistance; aerospace, automotive and medical.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF Fluorosilicone Compound PF-F3050 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F3050
Appearance			Opaque rubber compound, custom color
Polymer type			FVMQ (fluorosilicone)
Hardness	ASTM D2240	Shore A	50 ± 5
Tensile strength	ASTM D412	MPa	≥ 10
Elongation at break	ASTM D412	%	300 ± 50
Tear strength	ASTM D624	kN/m	3 – 8
Compression set	ASTM D395 B	%	15 – 20
Volume change (fuel B, 24 °C × 70 h)		%	≤ 20
Service temperature		°C	–50 to 220
Cure system			Peroxide

COMPLIANCE

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3. Recommended storage temperature below 30 °C (86 °F); keep away from heat to avoid premature scorch or cure.
4. Recommended shelf life: 6 months (peroxide-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
6. Keep packaging closed; protect from moisture, dust and contamination.
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Product Overview

Applications: General O-rings, oil seals and valve parts requiring wide service temperature with oil resistance; aerospace, automotive and medical.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF Fluorosilicone Compound PF-F3060 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F3060
Appearance			Opaque rubber compound, custom color
Polymer type			FVMQ (fluorosilicone)
Hardness	ASTM D2240	Shore A	60 ± 5
Tensile strength	ASTM D412	MPa	≥ 10
Elongation at break	ASTM D412	%	300 ± 50
Tear strength	ASTM D624	kN/m	3 – 8
Compression set	ASTM D395 B	%	15 – 20
Volume change (fuel B, 24 °C × 70 h)		%	≤ 20
Service temperature		°C	–50 to 220
Cure system			Peroxide

COMPLIANCE

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4. Recommended shelf life: 6 months (peroxide-cured) from the date of production when stored as above.
5. After prolonged storage, refresh (re-mill) the compound on an open mill before molding.
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Product Overview

Applications: Firmer O-rings, seals and back-up rings requiring wide service temperature with oil resistance; aerospace, automotive and medical.

Package: Carton packing, 5 kg/bag, 20 kg/carton.

TYPICAL PROPERTIES OF Fluorosilicone Compound PF-F3070 (Data not for specification purposes)

Properties	Test Method	Unit	PF-F3070
Appearance			Opaque rubber compound, custom color
Polymer type			FVMQ (fluorosilicone)
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile strength	ASTM D412	MPa	≥ 10
Elongation at break	ASTM D412	%	250 ± 50
Tear strength	ASTM D624	kN/m	3 – 8
Compression set	ASTM D395 B	%	15 – 20
Volume change (fuel B, 24 °C × 70 h)		%	≤ 20
Service temperature		°C	–50 to 220
Cure system			Peroxide

COMPLIANCE

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