

Fluoroelastomer *DHF-70#11F*

DHF-70#11F is a fluoroelastomer compound which include copolymer of hexafluoropropylene and vinylidene fluoride, curatives and fillers.

Features of DHF-70#11F are: excellent mold release, excellent hot tear resistance, good mold flow, low compression set.

NOTE:# means the color,0 is brown,1= white or nature

color,2=orange,3=green ,4=gray,5=blue,6=black 7=yellow,8=viole,t red is 70111A (For example:70511F means blue color with hardness 70,application for oring.

Typical Properties

| | |
|--------------------|--------------------|
| Fluorine Content | Min 65.9% |
| Specific Gravity | Min1.92 |
| Physical form | Slab |
| Color | VARIOUS |
| Solubility | Ketones and Esters |
| Hardness (shore A) | 70+/-2 |

Applications

It is designed for gasket and O-ring

DHF-70#11F is compound which could do the final product directly.

Packing information

DHF-70#11F is package with PE film in carton. The weight is 25kg net per carton.

Safety and handling

- ⌘ Store in well ventilated place
- ⌘ Smoking is forbidden Strictly in working areas
- ⌘ Avoid eye contact
- ⌘ Wash thoroughly any contacted skin and clothing after handling.

Typical properties of Vulcanizate

Typical Physical Properties

Press Cure 180°C @5min,

Post Cure 230°C @24hour

Hardness , Shore A 70+/-2 (ASTM D 412)

Elongation at Break, % Min240 (ASTM D 412)

Tensile , MPa Min14.0 (ASTM D 2240)

Compression set %

200 °C @70hour , Max15 (ASTM D 395 method B Disc)

Low Temperature Resistance

Brittleness temperature, °C -26 (ASTM D 1329)

air oven aging ASTM D-537, 230°C@70h

hardness change, degree 2

tensile change % -2

Elongation at break change % 0

oil resistance ASTM D471 standard, 150°C@70h

ASTM 1# standard oil

hardness change, degree 2

tensile change % 0

Elongation at break change % 0

Volume Change % 0.4

ASTM 3# standard oil

hardness change, degree 6

tensile change % -4

Elongation at break change % 2

Volume Change % 2.1

*All DowfluoTM fluoroelastomers are manufactured at ISO9001:2000 registered facilities.

*The above test data are based on the test performed at Dowhon facilities that we believe are reliable, your results may vary due to differences in test types and conditions. Further safety and handling guide, can follow the product's Material Safety Data Sheet or consult Dowhon's people.

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