

## DAI-EL® Perfluor GA-15

### Characteristics

DAI-EL® GA-15 is a peroxide curable perfluoroelastomer (FFKM) with good low temperature properties. DAI-EL® Perfluor GA-15 offers excellent chemical and solvent resistance as compared with other fluoroelastomers, and can be used for applications under severe conditions.

### Properties\*

Appearance	White or transparent sheet
Mooney viscosity (ML <sub>1+10</sub> @ 100°C)	25 MU
Specific Gravity	2.0
Glass Transition (DSC)	-20°C

### Thermal and Chemical Properties Service Temperature

Maximum Service Temperature:	200°C for continuous use, 220°C as peak for short time
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\*Typical properties are not suitable for specification purposes.

### Product can be used in Contact With:

Hydrocarbons, fuels, ketones, halogenated hydrocarbons, esters, alkalis and amines, ethers, mineral and organic acids, alcohols, steam.

### Potential Applications

Chemical engineering, salt electrolytic processes, oil and gas, analytical instruments, fuel cells, painting and coating equipment, semiconductor manufacture, aerospace applications, other

### Packaging

DAI-EL® GA-15 standard packaging is 2 kg, net weight, in aluminum bag.

## Typical Compound Properties

Standard Recipe	phr
Base Polymer	100
Carbon black MT (N-990)	8
Carbon black (N-770)	7
TAIC (100%)	3
2,5-dimethyl-2,5 di-(t-butylperoxy)hexane (100%)	1

### Cure Properties

(JRS Type II: 10 mins @160°C)

T90, min	2.5
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### Mechanical Properties

(Cure conditions: 10 mins @ 160°C + Post Cure: 4h @ 180°C)

100% Modulus MPa	10
Tensile strength, MPa	12
Elongation at break, %	125
Hardness, Shore A	70

### Compression Set

(P-24 O-ring, 25% deformation, 30 min recovery)

24h at 200°C, %	18
70h at 200°C, %	25
70h at 25°C, %	30

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