

DAI-EL™ G-671

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-671 is a medium viscosity cure incorporated terpolymer suitable for transfer, compression and injection molding applications. G-671 provides a good balance between low temperature flexibility and chemical resistance.

General Information	
Features	Good Chemical Resistance Low Temperature Flexibility Medium Viscosity Terpolymer
Uses	Gaskets Seals
Appearance	Pink White
Forms	Pellets
Processing Method	Compression Molding Injection Molding Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.80 to 1.84	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	35	MU
Fluorine Content	67	%
Cure Temperature	170	°C
Cure Time - Curelasterometer	3.0	min
Gehman Torsion Test		
T10	-15	°C
T2	-9	°C
TR Test		
TR10	-20	°C
TR70	-10	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	71	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	5.10	MPa

Tensile Strength (Yield, 25°C)	16.0	MPa
Tensile Elongation (Break, 25°C)	210	%
Tear Strength (25°C)	20.0	kN/m
Compression Set		
25°C, 70 hr	10	%
100°C, 70 hr	7.0	%
175°C, 70 hr	10	%
200°C, 70 hr	19	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	8.0	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	-5.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	-1.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-23.0	°C

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