

DAI-EL™ G-751

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-751 is a cure incorporated copolymer designed for transfer and compression molding applications. G-751 demonstrates good adhesion and excellent processability both in mill and calendaring operations.

General Information	
Features	Copolymer
	Good Adhesion
	Good Processability
Uses	Gaskets
	Seals
Appearance	Pink
	White
Forms	Pellets
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.81 to 1.85	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	30	MU
Fluorine Content	66	%
Cure Temperature	170	°C
Cure Time - Curelastmeter	2.8	min
Gehman Torsion Test		
T10	13	°C
T2	-6	°C
TR Test		
TR10	-18	°C
TR70	-9	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	72	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	5.00	MPa
Tensile Strength (Yield, 25°C)	15.1	MPa
Tensile Elongation (Break, 25°C)	200	%

Tear Strength (25°C)	19.6	kN/m
Compression Set		
25°C, 70 hr	8.0	%
100°C, 70 hr	5.0	%
175°C, 70 hr	11	%
200°C, 70 hr	18	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	6.0	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	5.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	0.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-17.0	°C

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