

DAI-EL™ G-752

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-752 is a polyol-curable fluoroelastomer. It offers good mechanical properties and adhesion.

Formulation

Rubber: 100 parts

MT Carbon Black "Thermax N-990": 20 parts

Magnesium oxide "MA-150": 3 parts

Calcium hydroxide "CALDIC#2000": 6 parts

General Information		
Features	Good Adhesion	
Uses	Seals	
Appearance	White	
Forms	Pellets	
Physical	Nominal Value	Unit
Specific Gravity	1.81 to 1.85	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	66	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain)	2.40	MPa
Tensile Strength (Yield)	14.6	MPa
Tensile Elongation (Break)	310	%
Compression Set ¹		
25°C, 70 hr	20	%
100°C, 70 hr	11	%
175°C, 70 hr	16	%
200°C, 70 hr	27	%
Additional Information	Nominal Value	Unit
Adhesiveness Test ²		
Peeled State - AI	100	%
Peeled State - SS	80	%
Peeled State - SUS	100	%
Cure Temperature ³	170	°C
Cure Time ⁴		
Cure time	2.9	min
Induction time	1.9	min
NOTE		
1.	P-24 O-ring	
2.	Bonding agent: Chemlock 607, After oven-curing	

3.	Curelastometer type II
4.	Curelastometer type II

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