

DAI-EL™ G-7453 (GN-48)

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-7453 (GN-48) is a cure-incorporated copolymer with medium Mooney viscosity. It has excellent mold flow compared with fluoroelastomers of similar Mooney viscosity, making it well suited for compression, transfer or injection molding. DAI-EL G-7453 (GN-48) cures more rapidly than G-7451 and produces vulcanizates with excellent heat and compression set resistance.

General Information	
Features	Copolymer
	Good Flow
	High Heat Resistance
	Medium Viscosity
	Vulcanizable
Uses	Gaskets
	Seals
	Tubing
Appearance	Cream
	White
Forms	Slab
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	
Specific Gravity	1.81	g/cm ³	
Mooney Viscosity (ML 1+10, 121°C)	40	MU	
Fluorine Content	66	%	
Low Temperature Brittleness - TR10	-18	°C	ASTM D1329
Hardness	Nominal Value	Unit	
Durometer Hardness ¹ (Shore A)	66		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	4.10	MPa	
Tensile Strength ³ (Yield)	14.5	MPa	
Tensile Elongation ⁴ (Break)	210	%	
Compression Set ⁵ (200°C, 70 hr)	14	%	ASTM D395B
NOTE			

1.	MDR 2000, Strain: 0.5°, Test time: 10 min
2.	MDR 2000, Strain: 0.5°, Test time: 10 min
3.	MDR 2000, Strain: 0.5°, Test time: 10 min
4.	MDR 2000, Strain: 0.5°, Test time: 10 min
5.	MDR 2000, Strain: 0.5°, Test time: 10 min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

