

DAI-EL™ G-7210BP

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-7210BP is a bisphenol curable, gum copolymer. It is designed especially for injection molding of seals. Properly compounded, DAI-EL G-7210BP produces vulcanizates with excellent heat and compression set resistance.

General Information			
Features	Copolymer		
	High Heat Resistance		
	Vulcanizable		
Uses	Gaskets		
	Seals		
	Tubing		
Appearance	Brown		
	White		
Forms	Slab		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.81	g/cm ³	
Mooney Viscosity (ML 1+10, 121°C)	28	MU	
Fluorine Content	66	%	
Low Temperature Brittleness - TR10	-18	°C	ASTM D1329
Hardness	Nominal Value	Unit	
Durometer Hardness			
Shore A ¹	76		
Shore A ²	75		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain, 25°C ³	5.40	MPa	
100% Strain, 25°C ⁴	5.50	MPa	
Tensile Strength			
Yield, 25°C ⁵	13.0	MPa	
Yield, 25°C ⁶	12.5	MPa	
Tensile Elongation			
Break, 25°C ⁷	210	%	
Break, 25°C ⁸	220	%	

Compression Set		ASTM D395B
200°C, 70 hr ⁹	18	%
200°C, 70 hr ¹⁰	19	%

NOTE		
1.	ODR, Strain: 3°, Test time: 12 min	
2.	MDR 2000, Strain: 0.5°, Test time: 6 min	
3.	ODR, Strain: 3°, Test time: 12 min	
4.	MDR 2000, Strain: 0.5°, Test time: 6 min	
5.	ODR, Strain: 3°, Test time: 12 min	
6.	MDR 2000, Strain: 0.5°, Test time: 6 min	
7.	ODR, Strain: 3°, Test time: 12 min	
8.	MDR 2000, Strain: 0.5°, Test time: 6 min	
9.	MDR 2000, Strain: 0.5°, Test time: 6 min	
10.	ODR, Strain: 3°, Test time: 12 min	

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