

DAI-EL™ G-755

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-755 is a cure-incorporated copolymer with medium Mooney viscosity. It is designed especially for extrusion molding and calendering.

General Information			
Features	Copolymer		
	High Elongation		
	Low Viscosity		
Uses	Hose		
	Tubing		
Appearance	Cream		
	White		
Forms	Pellets		
Processing Method	Calendering		
	Extrusion		
Physical	Nominal Value	Unit	
Specific Gravity	1.81	g/cm ³	
Mooney Viscosity (ML 1+10, 121°C)	25	MU	
Fluorine Content	66	%	
Hardness	Nominal Value	Unit	
Durometer Hardness			
Shore A, 25°C	70		
Shore A, 25°C ¹	72		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain, 25°C	2.80	MPa	
100% Strain, 25°C ²	4.30	MPa	
100% Strain, 25°C ³	4.40	MPa	
Tensile Strength			
Yield, 25°C	10.2	MPa	
Yield, 25°C ⁴	14.9	MPa	
Yield, 25°C ⁵	14.7	MPa	
Tensile Elongation			
Break, 25°C	410	%	

Break, 25°C ⁶	260	%	
Break, 25°C ⁷	250	%	
Compression Set			ASTM D395
200°C, 70 hr	62	%	
200°C, 70 hr ⁸	21	%	
200°C, 70 hr ⁹	24	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.0	°C	ASTM D1329
NOTE			
1.	ODR, Strain: 3°, Test time: 12 min		
2.	ODR, Strain: 3°, Test time: 12 min		
3.	MDR 2000, Strain: 0.5°, Test time: 6 min		
4.	ODR, Strain: 3°, Test time: 12 min		
5.	MDR 2000, Strain: 0.5°, Test time: 6 min		
6.	ODR, Strain: 3°, Test time: 12 min		
7.	MDR 2000, Strain: 0.5°, Test time: 6 min		
8.	ODR, Strain: 3°, Test time: 12 min		
9.	MDR 2000, Strain: 0.5°, Test time: 6 min		

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