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/cm³
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

Recommended distributors for this material

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