

DAI-EL™ G-558

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-558 is a cure incorporated terpolymer designed for extrusion applications requiring low permeation rates.

General Information		
Features	Terpolymer	
Uses	Hose	
	Tubing	
Appearance	White	
Forms	Pellets	
Processing Method	Extrusion	
Physical	Nominal Value	Unit
Specific Gravity ¹	1.89	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	34	MU
Fluorine Content	69	%
Cure Temperature	160	°C
Cure Time - Curelastermeter	9.5	min
Gehman Torsion Test		
T10	-14	°C
T2	-4	°C
TR Test		
TR10	-14	°C
TR70	-8	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	68	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	2.70	MPa
Tensile Strength (Yield, 25°C)	12.5	MPa
Tensile Elongation (Break, 25°C)	300	%
Tear Strength (25°C)	20.5	kN/m
Compression Set		
25°C, 70 hr	26	%
100°C, 70 hr	16	%
175°C, 70 hr	20	%
200°C, 70 hr	28	%
Aging	Nominal Value	Unit

Change in Tensile Strength in Air (230°C, 70 hr)	2.0	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	1.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	0.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-26.0	°C
NOTE		
1.	25°C	

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