

DAI-EL™ LT-302

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL LT-302 is a terpolymer suitable for various peroxide cure systems. LT-302 can be formulated to eliminate the post cure process. LT-302 is designed for transfer and compression molding applications that require a balance between good low temperature flexibility and compression set resistance.

General Information	
Features	Low Compression Set
	Low Temperature Flexibility
	Terpolymer
Uses	Gaskets
	Seals
Forms	Pellets
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.79 to 1.80	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	30	MU
Fluorine Content	65	%
Cure Temperature	160	°C
Cure Time - Curelometer	1.5	min
Gehman Torsion Test		
T10	-30	°C
T2	-25	°C
TR Test		
TR10	-31	°C
TR70	-22	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	65	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	3.50	MPa
Tensile Strength (Yield, 25°C)	18.1	MPa
Tensile Elongation (Break, 25°C)	250	%
Tear Strength (25°C)	24.0	kN/m
Compression Set		
25°C, 70 hr	8.0	%

100°C, 70 hr	9.0	%
175°C, 70 hr	12	%
200°C, 70 hr	17	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (230°C, 70 hr)	-16	%
Change in Ultimate Elongation in Air (230°C, 70 hr)	4.0	%
Change in Durometer Hardness in Air (Shore A, 230°C, 70 hr)	0.0	
Thermal	Nominal Value	Unit
Brittleness Temperature	-38.0	°C

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