

DAI-EL™ LT-252

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL LT-252 is a terpolymer suitable for various peroxide cure systems. LT-252 can be formulated to eliminate the post cure process. LT-252 is designed for transfer and compression molding applications that require a balance between good low temperature flexibility and fuel resistance.

General Information	
Features	Fuel Resistant
	Low Temperature Flexibility
	Terpolymer
Uses	Gaskets
	Seals
Appearance	Pink
	White
Forms	Pellets
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	1.83 to 1.84	g/cm ³
Mooney Viscosity (ML 1+10, 121°C)	35	MU
Fluorine Content	66	%
Cure Temperature		
-- ¹	177	°C
-- ²	160	°C
TR Test - TR10	-25	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 25°C)	74	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain, 25°C)	3.60	MPa
Tensile Strength (Yield, 25°C)	18.5	MPa
Tensile Elongation (Break, 25°C)	300	%
Compression Set (200°C, 70 hr)	26	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air		
200°C, 70 hr	-5.0	%

230°C, 70 hr	-19	%
Change in Ultimate Elongation in Air		
200°C, 70 hr	-7.0	%
230°C, 70 hr	9.0	%
Change in Durometer Hardness in Air		
Shore A, 200°C, 70 hr	-1.0	
Shore A, 230°C, 70 hr	-1.0	

NOTE		
1.	Cure Time (Curelastometer): 0.8 min	
2.	Cure Time (Curelastometer): 2.6 min	

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