

DAI-EL™ G-101

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL G-101 is a low molecular weight elastomer. At room temperature G-101 is an opaque paste and becomes a transparent viscous fluid at temperatures above 70°C/158°F. G-101 is used with other fluoroelastomer grades to reduce compound viscosity and hardness.

General Information			
Features	Low Molecular Weight		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	
Specific Gravity	1.76 to 1.77	g/cm ³	
Molecular Weight	3000		
Vaporization Rate - 2 hrs (200°C)	2.0	%	
Thermal	Nominal Value	Unit	
Specific Heat (80°C)	360	J/kg/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+12	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
100 Hz	11.4		
100 kHz	10.5		
Dissipation Factor			ASTM D150
100 Hz	2.6E-3		
100 kHz	0.080		
Optical	Nominal Value		
Refractive Index	1.370		
Fill Analysis	Nominal Value	Unit	
Melt Viscosity (60.0°C)	50000	mPa · s	

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