

# DAI-EL™ T-530

Fluoroelastomer

DAIKIN AMERICA, INC.

## Message:

DAI-EL Thermoplastic T-530 is a polymer consisting of fluororesin and fluoroelastomer. T-530 can be formed like a thermoplastic with properties similar to elastomer. T-530 has a good transparency and low extractable substances. T-530 offers an excellent chemical resistance.

General Information			
Features	Good Chemical Resistance		
	High Clarity		
	Low Extractables		
Uses	Seals		
	Sheet		
	Tubing		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.89	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	67		Internal Method
Mechanical	Nominal Value	Unit	
Coefficient of Friction	0.60		
Taber Abrasion Resistance			
1000 Cycles, CS-17 Wheel	2.00	mg	
1000 Cycles, H-22 Wheel	10.0	mg	
Elastomers	Nominal Value	Unit	
Tensile Strength (Yield)	11.0	MPa	
Tensile Elongation (Break)	650	%	
Tear Strength	27.0	kN/m	
Compression Set (50°C, 24 hr)	11	%	
Rebound Resilience	10	%	
Gehman Torsion Test - T50	-9	°C	
Pyrolysis Initiation Temperature	380	°C	
Thermal	Nominal Value	Unit	
Melting Temperature	220	°C	
Specific Heat	1260	J/kg/°C	
Thermal Conductivity	0.15	W/m/K	

Electrical	Nominal Value	Unit
Volume Resistivity	5.0E+13	ohms·cm
Dielectric Strength	14	kV/mm
Dielectric Constant (1 kHz)	6.60	

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