DAI-EL™ T-550

Fluoroelastomer

DAIKIN AMERICA, INC.

Message:

DAI-EL Thermoplastic T-550 is a polymer consisting of fluororesin and fluoroelastomer. T-550 can be formed like a thermoplastic with properties similar to elastomer. T-550 has a good transparency and low extractable substances T-550 offers an excellent chemical resistance. T-550 demonstrates improved releasing properties compared with T-530.

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	1.88	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	73		Internal Method
Mechanical	**Nominal Value**	**Unit**	
Coefficient of Friction	0.50		
Taber Abrasion Resistance			
1000 Cycles, CS-17 Wheel	2.00	mg	
1000 Cycles, H-22 Wheel	14.0	mg	
Elastomers	**Nominal Value**	**Unit**	
Tensile Strength (Yield)	17.0	MPa	
Tensile Elongation (Break)	600	%	
Tear Strength	29.0	kN/m	
Compression Set (50°C, 24 hr)	13	%	
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	6.0E+14	ohms·cm
Dielectric Strength	14	kV/mm
Dielectric Constant (1 kHz)	6.20	

Recommended distributors for this material

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