Roechling SUSTAECTFE

Ethylene Chlorotrifluoroethylene Copolymer

Röchling Sustaplast SE & Co. KG

Message:

Product characteristics
Excellent chemical resistance
Excellent weldability
High flame retardance
Typical fields of application
Chemical engineering and tank building

General Information	
Features	Flame Retardant Good Chemical Resistance Weldable
Uses	Engineered Applications Tanks

Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	71		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Break)	250	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Continuous Use Temperature			
-- [1]	-50.0 to 150	°C	
-- [2]	< 180	°C	
CLTE - Flow	9.0E-5	cm/cm/°C	DIN 53752
Thermal Conductivity	0.15	W/m/K	DIN 52612
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	15	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94

3.00 mm	V-0
6.00 mm	V-0

NOTE	
1.	Long Term
2.	Short Term

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