

Trovidur® EN-F

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

Message:

Product characteristics

Special fire-preventive properties

Easy processing by welding, thermoforming, and bonding

Meets the requirements for classification in fire classes B1 up to thickness 12mm and M1 up to 6mm

Typical field of application

Clean room and semiconductor technology

Mechanical engineering

General Information			
Features	Bondability		
	Good Processability		
	Weldable		
Uses	Electrical/Electronic Applications		
	Engineered Applications		
	Thermoforming Applications		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 3.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.0E-5 to 8.0E-5	cm/cm/°C	DIN 53752
Heat Deflection Temperature - Vicat B	82	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Dielectric Constant	3.20		IEC 60250
Dissipation Factor (1 MHz)	0.020		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.00 mm	V-0		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

