Trovidur® ES-FB

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

Message:

Product characteristics
Easy processing, particularly by sewing or tacking, but also by welding, thermoforming and bonding
Typical field of application
Mechanical engineering

General Information			
Features	Bondability Good Processability Weldable		
Uses	Engineered Applications		
Processing Method	Thermoforming		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.40	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 3.0	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	80		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE - Flow	6.0E-5 to 8.0E-5	cm/cm/°C	DIN 53752
Thermal Conductivity	0.16	W/m/K	DIN 52612
Heat Deflection Temperature - Vicat B	66	°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

Recommended distributors for this material

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