

Trovidur® ES

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

Message:

- Product characteristics
- Raised impact strength
- Excellent vacuum formable
- Flame retardant, self-extinguishing after removal of flame
- Typical field of application
- Construction applications
- Mechanical engineering
- Deep-drawn parts

General Information			
Features	Flame Retardant		
	Self Extinguishing		
Uses	Construction Applications		
	Engineered Applications		
Processing Method	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	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	2500	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	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
Thermal Conductivity	0.16	W/m/K	DIN 52612
Heat Deflection Temperature - Vicat B	82	°C	ISO 306
Flammability	B1		DIN 4102
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

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