

Trovidur® ESA-T

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

Message:

- Product characteristics
- UV resistant in the colour white
- Raised impact strength
- Excellent vacuum formable
- Typical field of application
- Visual communication
- Toy and leisure equipment

General Information			
Features	Good UV Resistance		
Uses	Sporting Goods		
	Toys		
Appearance	White		
Processing Method	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 3.0	%	ISO 62
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	8.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.0E-5 to 8.0E-5	cm/cm/°C	DIN 53752
Heat Deflection Temperature - Vicat B	74	°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

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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

