Röchling

Industrial

Technical Data Sheet

Formaterm® ABS/ASA

Product characteristics

- Good vacuum forming properties
- Excellent weather resistance
- Very high impact strength and stiffness

Product applications

- Vacuum forming industry
- Sanitary engineering

	Test method	Unit	Value
Propriétés générales			
Density	DIN EN ISO 1183-1	g / cm^3	1,03
Water absorption	DIN EN ISO 62	%	0,7
Inflammabilité (Épaisseur 3 mm / 6 mm)	UL 94		HB
Propriétés mécaniques			
Limite d'élasticité	DIN EN ISO 527	MPa	45
Élongation	DIN EN ISO 527	%	10
Module d'élasticité	DIN EN ISO 527	MPa	2300
Notched impact strength	DIN EN ISO 179	kJ / m^2	35
Shore hardness	DIN EN ISO 868	scale D	75
Propriétés thermiques			
Glass transition temperature	ISO 11357-3	°C	100
Thermal conductivity	DIN 52612-1	W / (m * K)	0,18
Coefficient de dilatation thermique linéaire	DIN 53752	10^{-6} / K	60 - 110
Température de service, à long terme	Average	°C	-40 ... 75
Température de service, court terme (max.)	Average	°C	85 – 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	98
Propriétés électriques			
Dielectric constant	IEC 60250		3,40
Dielectric dissipation factor (10^6 Hz)	IEC 60250		0,025
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10^{15}
Résistivité de surface	DIN EN 62631-3-2	Ω	>10^{13}
Dielectric strength	IEC 60243	kV / mm	20

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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INTEGRATED MANAGEMENT SYSTEM