Röchling

Industrial

Technical Data Sheet

Maywo® ABS/TPU

Product characteristics

- Vacuum formable
- Soft-touch effect
- High scratch resistance

Product applications

- Trays
- Automotive industry
- Transportation industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,10
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	32
Elongation at break	DIN EN ISO 527	%	35
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2125
Notched impact strength	DIN EN ISO 179	kJ / m^2	20
Rockwell hardness (ABS)	DIN EN ISO 2039-2	scale R	80
Shore hardness (TPU)	DIN EN ISO 868	scale A	83
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	90
Service temperature, long term	Average	°C	85
Service temperature, short term (max.)	Average	°C	100
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	102
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

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INTEGRATED MANAGEMENT SYSTEM