

Technical Data Sheet

Maywosol ASA

ASA

Typical characteristics

- UV-resistant
- Good impact strength

Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,10
Water absorption	DIN EN ISO 62	%	0,35
Flammability (2,0 mm)	UL 94		HB *
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	27
Elongation at break	DIN EN ISO 527	%	66
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1800
Notched impact strength	DIN EN ISO 179	kJ / m ²	30
Shore hardness	DIN EN ISO 868	scale D	70
Thermal properties			
Melting temperature	ISO 11357-3	°C	-
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	95
Service temperature, long term	Average	°C	75
Service temperature, short term (max.)	Average	°C	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	92
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

