

POLICARBONATO ALVEOLARE IMPEX[®] MULTIWALL

GENERAL			
Property	Method	Unit	IMPEX [®] MULTIWALL
Density	ISO 1183	g/cm ³	1.2
MECHANICAL			
Property	Method	Unit	IMPEX [®] MULTIWALL
Flexural modulus	ISO 489	MPa	2000
Flexural strength	ISO 178	MPa	>95
Tensile modulus	ISO 527	MPa	2200
Tensile strength	ISO 527	MPa	60
Elongation at break	ISO 527	%	80
OPTICAL			
Property	Method	Unit	IMPEX [®] MULTIWALL
Refractive index	ISO 489	n _D 20	1.585
THERMAL			
Property	Method	Unit	IMPEX [®] MULTIWALL
Vicat-Temperature (B 50)	DIN EN ISO 306	°C	145
Heat deflection temperature (A/B)	DIN EN ISO R75	°C	135
Specific heat capacity		J/gK	1.17
Coefficient of linear thermal expansion	DIN 53328	K ⁻¹ x10 ⁻⁴	0.65
Thermal conductivity	DIN 52612 or ISO 8302	W/mK	0.20
Degradation temperature		°C	>280
Max. service temperature continuous use		°C	115
Max. service temperature short term use		°C	130
Sheet forming temperature range		°C	180 – 210
ELECTRICAL			
Property	Method	Unit	IMPEX [®] MULTIWALL
Dielectric constant (50 HZ)	DIN 53483		3.0
Volume resistivity	DIN 53482	Ω.cm	10 ¹⁵
Surface resistivity	DIN 53482	Ω	>10 ¹⁵
Dielectric strength	DIN 53481	kV/mm	>30
Dissipation factor (50 HZ)	DIN 53483		8x10/4w
IMPACT STRENGTHS			
Property	Method	Unit	IMPEX [®] MULTIWALL
Charpy (notched)	ISO 179	kJ/m ²	>10
Charpy (unnotched)	ISO 179	kJ/m ²	no break

Note: These technical data of our products are typical ones; the actually measured values are subject to production variations.

ADVIPLAST SPA

Via Ercolano, 11
 20900 Monza (MB)
 P.I. 13373380156

+39 039 95 3171 
 info.advi@advi-group.com 
 www.advi-group.com 