

FOAMACEL FOAMED PVC

GENERAL			
Property	Method	Units	
Density	D-792	g/cm ³	0,5 – 0,7
Water absorbtion	D-570	%	0,5 – 0,8

MECHANICAL			
Property	Method	Units	
Elongation at break	D-638	%	30
Tensile strength	D-638	MPa	16
Flexural strength	D-790	MPa	28
Flexural modulus	D-790	MPa	900
Impact strength Charpy Notched	D-256	J/m	29

THERMAL			
Property	Method	Units	
Vicat softening temperature (B 50)	D-648	°C	75
Heat deflection temperature		°C	63
Coeff. of Linear Expansion	D-1525	cm/cm °C	6,7x10 ⁻⁵
Thermal conductivity	D-696	W/mk	0,07

ELECTRICAL			
Property	Method	Units	
Surface Resistance	D-257	Ω	5x10 ¹⁵
Volume Resistivity	D-257	Ω-cm	2x10 ¹⁶

FIRE REACTION			
EN 13501-1	B, s1-3, d0		
DIN 4102	B-2		
BS 476/7	Class 1		
NSP 92-501 & 505	M-1, M-2		
UL 94	V-0		

PROCESSING			
<input checked="" type="checkbox"/> Sawing	<input checked="" type="checkbox"/> Flame polishing	<input checked="" type="checkbox"/> Vacuum forming	
<input checked="" type="checkbox"/> Drilling	<input checked="" type="checkbox"/> Diamond polishing	<input checked="" type="checkbox"/> Drape forming	
<input checked="" type="checkbox"/> Milling	<input checked="" type="checkbox"/> Cold bending	<input checked="" type="checkbox"/> Glueing	
<input checked="" type="checkbox"/> Lasercutting	<input checked="" type="checkbox"/> Warm bending	<input checked="" type="checkbox"/> Printing	
<input checked="" type="checkbox"/> Laser engraving	<input checked="" type="checkbox"/> Oven curving		

Suggestions and data on datasheet are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.