

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	-	0.5-0.7
Water absorption till saturation 23°C	%	-	0.7
Maximum service temp. Upper temp limit - short term	°C	-	-
Maximum service temp. Upper temp limit - Long term	°C	-	-
Lower temp limit	°C	-	-
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	-	181
Elongation at yield	%	-	15
Tensile strength at break	MPa	-	-
Unnotched Impact strength	kJ/m ²	-	32
Notch impact strength	kJ/m ²	-	-
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D		-	60
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	-	1000-1400
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	-	72
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	-	0.5-0.7
Thermal conductivity at 23°C	W/mK	-	0.0616
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	-	5.1013
Dielectric constant at 1MHz		-	-
Dielectric loss factor at 1 MHz		-	2.10 320.103
Dielectric strength	kV/mm	-	10
Comparative tracking index (CTI)		-	-
Additional Data	Unit	Test Method	Result
Bondability		-	-
Food compliance - FDA		-	-
Food compliance - EU		-	-
Antistatic		-	-
Flammability	Unit	Test Method	Result
Fire performance		UL 94	V-0
Optical	Unit	Test Method	Result
Light Transmission	%	-	-

uPVC Coplast Foam



Refractive index	nD 20	-	-
Haze	%	-	-
Solar energy transmittance g- value	%	-	-

All information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.