



The acrylic solid surface

PRODUCT DATA SHEET

PROPERTY	TEST	TYPICAL RESULTS	MEASURE UNIT
Density	DIN ISO 1183	1.725 – 1.805	g/cm ³
Flexion Modulus	EN ISO 178:2010	8145 - 8990	MPa
Flexion Resistance	EN ISO 178:2010	62.5 – 66.5	MPa
Impact Resistance (Charpy)	EN ISO 179-1/2010	3.45 – 4.70	kJ/m ²
Impact Resistance (falling ball)	UNI EN 438-2:2005	>160	cm
Hardness (Barcol)	UNI EN4278	55 – 60	--
Resistance to bacteria and Fungi		No development of bacteria and fungi population	n° of colonies
Food contact (Global migration)	ENV 1186/94	Suitable, not toxic (<1.0)	mg/dm ²
Hygiene		Suitable, not toxic	
Raw materials hazard		All the raw materials used are not dangerous for the health	
Thermal expansion coefficient	TMA ASTM E831:2012	0.030	mm/m/°C
Degree of whiteness		>95	ΔL (CIE-Lab)
Stability under light exposure (Xenon)	UNI EN 9427/89	5	Scale: 1 - 5
Heat and Humidity cycle Resistance (60 cycles)	PTP 45:1995	No defect	
Resistance to temperature changes	EN 14688, EN 13310	>1000	cycles
Stain resistance	EN 14688, EN 13310	No defect	
Fire resistance	FTP CodeMSC (61) 67:1988	Pass	
Anti-slip properties on wet area treading on bare feet	DIN 51097:1992	Class A	° angle