All technical data regarding the physical-chemical properties of Coolux are given in the table below.

	Property	Test Method			Unit	Value
		ISO	DIN	ASTM		
Physical	Density	R1183	53479	D-792	kg/cu.m	1.18
	Melt Index (230℃/3.8kg)	1133	53735	D-1238	g/10 min	1
	Water absorption	62			%	0.30
Mechanical	Charpy (without notch)	R179/1eA			Kj/mq	2.2
	Charpy (without notch)	R179/1eU			Kj/mq	23
	Izod (notched)	180/1A		D-256	Kj/mq	2.1
	Elongation load	R527	53455	D-638-M	MPA	85
	Ultimate elongation	R527	53455	D-638-M	%	5
Flexure	Flexural strength	178	53452	D-790-M	MPA	120
	3 point flexural modulus	178		D-790-M	GPa	3.4
Hardness	Hardness - Rockwell number	2039/2			M Scale	99
	Ball penetration H-961/30	2039/1			MPA	190
Thermal	Expansion coefficient			E831	cm/cm/℃x10-5	7.1
	VICAT (5kg -50℃/h)	306B			℃	109
	VICAT (1kg-120℃/h)	306A			℃	118

Note: Formwell Products reserves the right to change the values contained in the table, which must be considered as approximate and not binding.

The Coolux sheet has all the characteristics of workability and use of the normal solid color versions and is available in 1mm thickness. The Coolux sheet comes with transparent protective film to shield it from subsequent working.

Resistance to cold liquids EN12720/97

	application time 16 hours Evaluation*	application time 1 hour Evaluation*	application time 10 minutes Evaluation*	application time 1 second Evaluation*
Acetic acid (10% aqueous solution)	5	#	#	
Acetone	1			3
Ammonia (10% aqueous solution)	5	#	#	
Red Wine	5	#	#	
Citric acid (10% aqueous solution)	5	#	#	
Detergent solution	5	#		
Coffee	5	#		
Chloramine T8 (2.5% aqueous solution)	5	#	#	
Ink for stamps	5			
Ethanol (48% aqueous solution)	5	#	#	
Ethylbutyl acetate (1:1)	1			5
Olive oil	5	#	#	
Paraffin oil	5	#		
Sodium carbonate (10% aqueous solution)	5	#		
Sodium chloride (15% aqueous solution)	5	#		
Tea	5	#		
Distilled water	5	#		
Lager	5	#	#	

** the evaluations were made with direct light, in an observation room, and diffused light.*

Evaluation of results

5 = no defect
4 = slight halo just visible
3 = halo visible from several directions
2 = marked impression
1 = strong surface deterioration
Class reached according to UNI10944 E

#	unnecessary
	not envisaged by the standard UNI 10944