



SOLID PRODUCT | TECHNICAL SHEET

Our Goals

QUALITY



COMMITMENT



INNOVATION



Properties

ROOFLITE SOLUTIONS

PROPERTIES		STANDARDS	VALUE	UNITS	CONDITIONS
THERMAL PROPERTIES	HEAT DEFLECTION TEMPERATURE	ASTM D648	136.6	°C	1.82 MPa
	THERMAL CONDUCTIVITY	ASTM E1530	0.210	W/mK	55°C Mean Temperature
	CO-EFFIECIENT OF LINEAR THERMAL EXPANSION	ASTM D696	4.58×10^{-5}	/°C	30°C – 60°C
MECHANICAL PROPERTIES	TENSILE STRENGTH AT YIELD	ASTM D638		Mpa	-
	i) BEFORE WEATHERING		57.4		
	ii) AFTER WEATHERING		56.4		
	TENSILE ELONGATION AT BREAK	ASTM D638	90	%	-
	IZOD IMPACT STRENGTH	ASTM D256	107	KJ/m ²	-
	ROCKWELL HARDNESS	ASTM D785	103	R SCALE	60 Kgf
VISUAL PROPERTIES	HAZE	ASTM D1003	<0.8	%	3.8mm
	LUMINOUS TRANSMITTANCE	ASTM D1003	88	%	3.8mm
OTHER PROPERTIES	WATER ABSORPTION	ASTM D570	0.07	%	-
	DENSITY	ASTM D792	1.19	g/cc	-

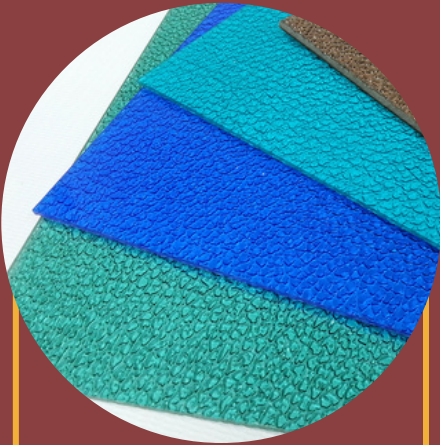
Weights

ROOFLITE SOLUTIONS

THICKNESS (mm)	1	1.5	1.8	2.0	2.5	3.0	4.0	5.0	6.0
POLYCARBONATE (kg/m ²)	1.2	1.8	2.16	2.4	3.0	3.6	4.8	6.0	7.2
GLASS (kg/m ²)	2.50	3.75	4.5	5.00	6.25	7.50	10.00	12.50	20.00

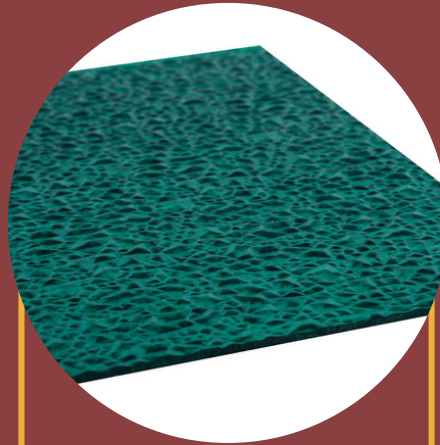
Texture Available

BUILDING DREAMS ALL OVER THE WORLD



EMBOSSSED

Our land development is the riskiest but most profitable technique as it is so dependent on the public sector for approvals.



DIAMOND

A developer's success depends on the ability to coordinate and lead the completion of a series of interrelated activities efficiently and at the right time.



COMPACT

A development team is put together. At one extreme, a large company might include many services, from architecture to engineering.

Raw Materials



SABIC
Innovative
Plastics™



Certifications

Equipped with a modern In-house QC lab and an Expert Technical team with more than 30 years of Experience, we strive towards Quality and Commitment at ARUN PLASTO MOULDERS



CONTACT US

LET'S BUILD YOUR DREAM



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