



Mechanical				
Tensile strength	ASTM D-638	10mm/min	MPa	23.36
Elongation at break	ASTM D-638	10mm/min	%	>200
Bending strength	ASTM D-790	2mm/min	MPa	31.9
Flexural modulus	ASTM D-790	2mm/min	MPa	3050
Notched izod impact strength	ASTM D-256	23℃	KJ/m ²	10.57
Heat distortion Temp	ASTM D-648	1.82Mpa	℃	—

Physical Property				
Properties	ASTM	Test Condition	Units	Typical Value
Density	ASTMD-792	23±0.5℃	g/cm ³	1.005
Molding shrinkage	ASTMD-955	3.2mm	%	1.7
Melting flowing Rate	ASTMD-1238	230℃, 2.16kg	g/10min	3.5

Technical Data			
Scrial Number	Inscription Item	Inscription Reference	Check Result
1	Maximum damage load	GB/T 17657-1991	Vertical pressure 1024N
2	Water absorption		0.37%
3	Grip screw force(board)		1280N
4	Charpy unnotched impact strength	GB/T 1043.1-2008	Lateral pressure 12.0KJ/m ² ----- Vertical pressure 39.6KJ/m ²
5	Shore hardness	GB/T 2411-2008	75
6	Falling ball impact test	GB/T 18102-2007	13.3mm
7	Vicat softening point	GB/T1633-2000	76.6
8	Resistance to acid and base saturated Ca(OH) ₂ ,soak for 48h	GB/T11547-2008	No surface crack bubbling