

U-PVC foaming board series

U-PVC foaming board mechanical property

Project	Unit	Index
Elongation at break	Mpa	≥ 10
Schauder hardness D	—	≥ 55
Impact strength of free beam	KJ/m ²	≥ 12
heating size change ratio	%	≥ 10
Variance ratio of heating size	%	± 2.0
Softening point	℃	≥ 70
Bending strength	Mpa	≥ 20
Bending elasticity ratio	Mpa	≥ 600
Strength of holding screw	N	≥ 800
Water absorption	%	≤ 1.0
Surface density	Kg/m ³	≤ 800

U-PVC free foaming board mechanical property

Project	Unit	Index
Elongation at break	Mpa	≥ 11
Schauder hardness D	—	≥ 45
Impact strength of free beam	KJ/m ²	≥ 10
heating size change ratio	%	≥ 15
Variance ratio of heating size	%	≤ ± 2.0
Softening point	℃	≥ 70
Bending strength	Mpa	≥ 17
Bending elasticity ratio	Mpa	≥ 800
Strength of holding screw	N	110
Water absorbability	%	≤ 1

Performance comparison of guangyang U-PVC board, wood and veneer

Performance	U-PVC board	wood	veneer
Surface density(g/cm ³)	0.5-0.7	0.5-0.7	0.8-0.9
Endure power(kg/m ²)	70	41	11
Elasticity ratio(kg/m ²)	1580	930	1170

Performance	U-PVC board	wood	veneer
Water absorption	0.10%	0.25%	0.20%
Service life(year)	40-50	15-20	20-30

Water absorption

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