TECHNICAL DATA SHEET

Clear PVC film

A calendered clear PVC film for flexible marine windows and outdoor enclosures.



MATERIAL SPECIFICATIONS

Technology	Calendering
Structure	Single layer PVC film
Feature	Water quench
Hardness	20-60 PHR According to customer’s requirements
Transparency	Super clear / Crystal clear
Thickness	0.5mm
Max width	2.8m
Vicat softening point	75°C
Packing	PE foam or kraft paper with clear film or color film;
Certification	Reach/RoHS; Anti UV; Anti Cold; Anti Static; Fire Retardent

AVAILABLE CONFIGURATIONS

ITEM	PHR	30PHR↓	31~40	41~50	51~60	Test method
Tensile strength (kg/cm²)	MD	≥250	≥230	≥210	≥180	ASTM D-882
Tensile strength (kg/cm²)	CD	≥230	≥210	≥190	≥170	ASTM D-882
Elongation (%)	MD	≥170	≥200	≥220	≥260	ASTM D-882
Elongation (%)	CD	≥180	≥220	≥240	≥280	ASTM D-882
Tear strength (kg/mm)	MD	≥9	≥7	≥6	≥5	ASTM D-882
Tear strength (kg/mm)	CD	≥9	≥7	≥6	≥5	ASTM D-882

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ITEM	PHR	30PHR↓	31~40	41~50	51~60	Test method
ITEM	Thickness (mm) / PHR	30PHR↓	31~40	41~50	51~60	Test method
Dimensional stability (-%)	0.09m/m↓	≤5	≤7	≤9	≤9	ASTM D-882
Dimensional stability (-%)	0.091-0.152	≤4	≤6	≤7	≤8	ASTM D-882
Dimensional stability (-%)	0.153-0.254	≤3	≤5	≤6	≤7	ASTM D-882
Dimensional stability (-%)	0.255-0.50	≤3	≤4	≤4	≤5	ASTM D-882

Values and available configurations are reproduced from the current material specification. Where a table lists several configurations, agree the selected construction for the order.

Listed fire-test grades or optional treatments do not certify every supplied configuration or finished product. Any test report applies to its submitted sample and stated test conditions.