CHANGZHOU RUNYI NEW MATERIALI MPORT&EXPORT CO.,LTD

Clear PVC sheet-Technical Data Sheet

Items	Test Method	Units	Result
Physical Properties			
Specific Gravity	ASTM D792	g/cm^3	1.35
Water Absorption	ASTM D570	%	<0.1
Mechanical Properties			
Tensile Strength	ASTM D638	MPa	50-70
Elongation at Break	ASTM D638	%	100-200
Flexural Modulus	ASTM D790	MPa	2000-3000
Impact Strength	ASTM D256	J/m	>30
Thermal Properties			
Heat Deflection Temp. (HDT-A)	ASTM D648	℃	70-80
Vicat Softening Temperature	ASTM D1525	℃	70-80
Optical Properties			
Light Transmission	ASTM D1003	%	88-92
Haze	ASTM D1003	%	<2
Gloss	ASTM D2457	GU	80-100
Electrical Properties			
Volume Resistivity	ASTM D257	Ω·m	$>1\times10^{13}$
Dielectric Strength	ASTM D149	kV/mm	>20
Dielectric Constant	ASTM D150	-	3.5-4.0
Dissipation Factor	ASTM D150	-	<0.01
Fire Performance			
Flammability	UL 94	-	V-0
Smoke Density	ASTM E662	-	<100
Other Properties			
Chemical Resistance	ASTM D543/D1308/D2240	-	Excellent
Weather Resistance	ASTM G154	-	Excellent

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