

CLAREX**PHYSICAL PROPERTIES****【Normal Grade】 · 【Hard Coat Grade;RH】**

Properties	Test Method		Unit	Normal Grade	Hard Coat Grade
	JIS	ASTM			
OPTICAL					
Refractive Index	K7142	D-542	-	1.49	1.53 (Surface) 1.49 (Material)
Total Light Transmittance	K7361-1	D-1003	%	93	92
Haze	K7136	D-1003	%	0.1	
MECHANICAL					
Elongation	K7162	D-638	%	5	3
Tensile Rupture Strength	K7162	D-638	MPa	75	50
Flexural Rupture Strength	K7171	D-790	MPa	118	60
Flexural Modulus	K7171	D-790	MPa	3.2×10^3	
Impact Strength (Izod)	K7110	D-256	KJ/m ²	2.0	-
Rockwell Hardness	K7202	D-785	M scale	100	-
Charpy Impact Strength	K7111	D-256	KJ/m ²	17	-
Pencil Hardness	K5600	-	-	2H	≥6H
THERMAL					
Heat Distortion Temperature	K7191-2(A)	D-648	°C	108	110
Coefficient of Thermal Expansion	K7197	D-696	cm/cm°C	7×10^{-5}	
Coefficient of Thermal Conductivity	A1412	C-177	W/m°C	0.17	
ELECTRICAL					
Volume Resistivity	K6911	D-257	Ω·cm	$>10^{16}$	
Surface Resistivity	K6911	D-257	Ω		
MISCELLANEOUS					
Specific Gravity (23°C)	K7112	D-792	-	1.19	
Water Absorption	K7209	D-570	%	0.3	

These are our experimental measured values in Flat 001 transparent sheet.

Specifications are subject to change at any time.

(If not otherwise specified, values measured in 3.0mm thick)

Please ask for consultation in any doubt.