



COATED PRODUCTS, INC.
Special Application Acrylic Sheet

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Clarex® Physical Properties For Anti-Reflective and ITO Coated Products

PROPERTIES	TEST METHOD		UNIT	HARD COAT GRADE
	JIS	ASTM		
OPTICAL				
Refractive Index	K7105	D-542	-	1.49 (Material) 1.53 (Surface)
Total Light Transmittance	K7105	D-1003	%	>99
Haze	K7105	D-1003	0.1	0.1
MECHANICAL				
Elongation	K7113	D-638	%	5
Tensile Rupture Strength	K7113	D-638	MPa	45
Flexural Rupture Strength	K7203	D-790	MPa	60
Impact Strength (Izod)	K7110	D-256	KJ/m ²	-
Rockwell Hardness	K7202	D-785	M scale	-
Pencil Hardness	D0202	-	-	6-8H
THERMAL				
Heat Distortion Temp.	K7207	D-648		110
Coefficient of Thermal Expansion	K6911	D-696	cm/cm/	7 x 10 ⁻⁵
Coefficient of Thermal Conductivity	K1413	-	W/m	0.17
Max Recm'd Continuous Temp.	-	-		80
Heat Forming Temperature	-	-		-
Specific Heat	K7123	-	J/g?	1.47
ELECTRICAL				
Volume Resistance	K6911	D-257	W cm	0.10 ¹⁶
Surface Resistance	K6911	D-257	W	0.10 ¹⁶
MISCELLANEOUS				
Specific Gravity	K7112	D-792	-	1.19
Water Absorption	K7209	D-570	%	0.3
Flammability	UL Standard		0.8mm thick	94HB

NOTE: Anti-Reflection Coating is applied in extremely thin layers and is not suited to applications where the filter will be exposed to harsh conditions. Please ask for assistance in determining suitability of this material for your particular application.