

CPMT Functional Coating Specification

1. Outline

CPMT has novel technology of AF, IF, Anti-bacterial coating and provides appropriate solution for customer needs.

2. Properties of CPMT functional coating

Properties	Test Method	Value	Result			Remark
			CPMT-AF	CPMT-IF	CPMT-A,B	
Substrate		Customer Needs	Bare thickness: 10 – 800 μ m			
Coating thickness		Customer Needs	1 μ m	1 μ m	1 μ m	
Coating methods		Sputtering	-	-	-	CVD, PVD
Transmittance	JIS K-7361-1	> 90%	> 90,00%	> 90,00%	> 90,00%	Haze meter
Haze	JIS K-7136	<1,0%	< 0,50%	< 0,50%	< 0,50%	Haze meter
Yellow index(YI)	JIS Z-8722	<1,0	< 0,50	< 0,50	< 0,50	Spectrophotometer
Chemical resistance	ASTM D1308	Pass	Pass	Pass	Pass	
Contact angle(H ₂ O)	ASTM D5946	>105°	117°	115°	-	Coating layer
Anti-microbial activity	ISO 22196	> 99,99%	-	-	Pass	<i>S. aureus, E. coli</i> **P<0,01

Reference ONLY FOR ATEM FAIR 2020
Contact us if you need Technical Data Sheet