

CPMT Elastic Coating Specification

1. Outline

CPMT Elastic Coating for elastic polymer film has excellent adhesion and elongation property.
Plus, the product was made by continuous production process. It can be applied to scratch prevention during mass production.

2. Properties of coating layer on elastic polymer film

Properties	Test Method	Value	Result			GEN 1.5 Target	Remark
			ED-230	ED-550	ED-660		
Substrate		Elastic Polymer film	Bare thickness : 150 μ m			-	Young's modulus : < 10 ¹ GPa
Coating thickness		1 μ m	1 μ m	1 μ m	1 μ m	1 μ m	
Coating methods		Slot-Die, M/G	Slot-Die, M/G	Slot-Die, M/G	Slot-Die, M/G	R2R	R2R
Cross-cut test	K5600 -5-6	100/100	Pass	Pass	Pass	Pass	
Transmittance	JIS K-7361-1	> 90%	90,84%	90,62%	90,48%	> 90%	Haze meter
Haze	JIS K-7136	<1,0%	0,62%	0,61%	0,59%	<1,0%	Haze meter
Yellow index(YI)	JIS Z-8722	<1,0	0,49	0,48	0,49	<1,0%	Spectrophotometer
Anti-abrasion	ASTM D1044	> 5 cycles (No scratch)	10 cycles (No scratch)	10 cycles (No scratch)	10 cycles (No scratch)	> 50 cycles (No scratch)	Steel wool #0000, 500gf(1cm x 1cm)
Elongation	ASTM D882	> 5%	Pass	Pass	Pass	> 10%	
Chemical resistance	ASTM D1308	Pass	Pass	Pass	Pass	Pass	

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