



TECHNICAL DATA SHEET

KN-CD901-12UM-48G

2022 ver.

CUSTOMER	TYPE	THICKNESS	WIDTH	LENGTH	LOT
	CD901	12 μm 48 G	0.00 Inch	0 Ft	

Properties	Unit	Standard	Measured	Test Method
Average Thickness	μm	12.0 $\pm$ 0.3	11.8	PHC Method
Tensile Strength_MD	kgf/mm ²	28.0 $\pm$ 5.0	25.6	ASTM D-882
Tensile Strength_TD	kgf/mm ²	27.0 $\pm$ 5.0	25.4	ASTM D-882
Elongation at Break_MD	%	135.0 $\pm$ 30.0	139.0	ASTM D-882
Elongation at Break_TD	%	135.0 $\pm$ 30.0	126.9	ASTM D-882
F-5 Value_MD	kgf/mm ²	12.5 $\pm$ 2.0	11.2	ASTM D-882
F-5 Value_TD	kgf/mm ²	11.0 $\pm$ 2.0	10.6	ASTM D-882
Heat Shrinkage_MD(200℃)	%	4.2 $\pm$ 1.0	4.0	ASTM D-2305
Heat Shrinkage_TD(200℃)	%	0.0 $\pm$ 1.0	0.0	ASTM D-2305
Friction Coefficient_uS	-	0.45 $\pm$ 0.10	0.37	ASTM D-1894
Friction Coefficient_uK	-	0.45 $\pm$ 0.10	0.42	ASTM D-1894
Haze	%	2.50 $\pm$ 0.50	2.74	ASTM D-1003
Wetting Tension_In	dynes/cm	52 $\pm$ 4	54	ASTM D-2578