

CCC KNP/E 12

CCC KNP/E 12 micron is a biaxially oriented Polyamide Film corona treated outside. CCC KNP/E 12 μ has been tailored for printing and lamination process where the final product requires high resistance against puncture. Material is suitable for retortable applications.

PROPERTY	TYPICAL VALUE	UNIT	METHOD
Thickness	11,5-12,5	Micron	Internal Method
Density	1,14-1,16	g/cm ³	ASTM D 1505
Tensile strength MD	≥ 180	MPa	ASTM D 882
Tensile strength TD	≥ 180	MPa	ASTM D 882
Elongation at break MD	≤ 180	%	ASTM D 882
Elongation at break TD	≤ 180	%	ASTM D 882
Heat Shrinkage MD (150°C 30 min.)	$\leq 3,0$	%	ASTM D 1204
Heat Shrinkage TD (150°C 30 min.)	$\leq 3,0$	%	ASTM D 1204
C.o.f. static (non-treated side/ non-treated side)	$\leq 0,6$		ASTM D 1894
C.o.f. static (non-treated side/ non-treated side)	$\leq 0,6$		ASTM D 1894
Wetting tension treated Side	≥ 52	mN/m	ASTM D 2578
Haze	≤ 7	%	ASTM D 1003
O2 transmission	$\leq 5,0 \cdot 10^{-4}$	cm ³ /m ² x d x PA	ASTM D 3985

The technical specification is guaranteed for a period of 6 months from delivery.

The above information is given in good faith and is generally reliable. However, the customer will have to examine the suitability of the film for individual application. Hence no general or particular warranty for the applications of the film is offered by Clarus Films. The above information is liable to change due to innovation and improvement in the manufacturing process. Clarus Films assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the film for different end-uses.

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