TECHNICAL SPECIFICATION

CCC KNP/E 20

CCC KNP/E 20 micron is a biaxially oriented Polyamide Film corona treated outside. CCC KNP/E 20µ has been tailored for printing and lamination process where the final product requires high resistance against puncture. Material is suitable for retortable applications.

Item		Units	Test standard	Standard value	Average
Thickness		um	GB/T 6672-2001	19.6~20.8	20.01
Tesile strength	MD	Mpa	GB/T 13022-1991	≥180	228.20
	TD		GB/T 13022-1991	≥180	325.25
Elongation at Break	MD	%	GB/T 13022-1991	≤180	166
	TD		GB/T 13022-1991	≤180	115
Modulus of Elasticity	MD	Mpa	GB/T 13022-1991	≥2000	3840
	TD		GB/T 13022-1991	≥1300	3082
Thermal shrinkage	MD	%	GB/T 12027-2004	≤3.0	1.27
	TD			≤3.0	0.67
Coefficient of Friction(non/non)		ST	GB/T 10006-1988	≤0.6	0.293
		KI		≤0.6	0.282
Treated side(treated/non-terated)		mN/m	GB/T 14216-1993	≥50	56
Haze		%	GB/T 2410-1980	<7.0	3.39
Gloss		%	GB/T 2410-1980	>150	170.2
Clarity		%	GB/T 2410-1980	>90	91.17
Water vapor transmission（40℃ 90%RH）		$g/m^2/24h/atm$	GB / T 1037-2021	<150	115.7
Oxygen transmission（20℃100%RH）		$cm^3/m^2/24h/atm$	GB-1038	<50	43

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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