TECHNICAL SPECIFICATION

KNP/E 15

KNP/E 15 micron is a biaxially oriented Polyamide Film corona treated outside. KNP/E 15 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	14,5-15,5	Micron	Internal Method
Density	1,14-1,16	g/cm³	ASTM D 1505
Tensile strength MD	2300-2900	kg/cm²	ASTM D 882
Tensile strength TD	3100-3600	kg/cm²	ASTM D 882
Elongation at break MD	130-160	%	ASTM D 882
Elongation at break TD	95-120	%	ASTM D 882
Heat Shrinkage MD (150°C 30 min.)	1,6-1,9	%	ASTM D 1204
Heat Shrinkage TD (150°C 30 min.)	1,1-1,4	%	ASTM D 1204
C.o.f. static (film/steel)	0,22 ± 0,1	µs	ASTM D 1894
C.o.f. kinetic (film/steel)	0,18 ± 0,1	µk	ASTM D 1894
Wetting tension treated Side	50 - 54	dynes/cm	ASTM D 2578
Haze	< 3	%	ASTM D 1003
O2 transmission Typical @ 20°C - 45% RH	< 70	cc/m² x 24h x atm	ASTM D 3985
Water Vapor Tr Typical @ 40℃ - 45% RH	< 500	cc/m² x 24h x atm	ASTM D 3985