

KN-15UM-NP01_NP03-NYL



TECHNICAL DATA SHEET

15 μ m NP01 / NP03 TYPE

Inspection Criteria		Unit	Specification	Typical Value	Test Method
Thickness Average		μ m	15.00 ± 1.00	15.01	PHC METHOD
Tensile Strength	MD	kg / mm^2	29.00 ± 4.00	27.22	ASTM D - 882
	TD		29.00 ± 4.00	30.10	
Tensile Modulus	MD	kg / mm^2	160.00 ± 30.00	172.70	
	TD		140.00 ± 30.00	148.30	
Elongation at break	MD	%	150.00 ± 30.00	154.60	
	TD		130.00 ± 30.00	136.30	
F - 5 Value	MD	kg / mm^2	6.00 ± 1.00	6.50	
	TD		6.00 ± 1.00	6.20	
H a z e		%	5.00 ± 2.00	4.27	ASTM D - 1003
Heat Shrinkage by Hot Water	MD	%	3.00 ± 1.00	3.25	PHC METHOD
	TD		3.00 ± 1.00	3.00	100° C , 30 mnt
Friction Coefficient	μ s	-	0.60 ± 0.30	0.59	ASTM D - 1894
	μ k	-	0.60 ± 0.30	0.51	
Wetting Tension		dyne / cm	50 ± 2	50	ASTM D - 2578
Test Condition		Normal laboratory ambient condition : $23 \pm 2^\circ\text{C}$, $50 \pm 5\%\text{RH}$			

Remark : * MD : Machine Direction, TD : Transverse Direction

* Above data measured under the specific condition at **Pilcher** site

