

MULTILAY™

PNP grade

Different colors can be used for the inner and outer layers.

Antistatic agents and ultraviolet absorbing agents can be added only to the outer layer to modify the surface.

Grade		PNP-N400	PNP-N430	PNP-N440	Test method	
Sheet thickness (mm)		0.8	0.8	0.8	-	
Characteristics		Standard	Shock proof	Good cut	-	
Color tone		Natural	Natural	Natural	-	
Tensile modulus (MPa)	MD	1,600	1,400	1,700	JIS K 7113	
	TD	1,600	1,400	1,700		
Yield strength (MPa)	MD	32	27	33		
	TD	31	25	32		
Breaking strength (MPa)	MD	49	45	51		
	TD	35	38	47		
Elongation (%)	MD	430	510	510		
	TD	400	480	510		
Olsen stiffness (MPa)	MD	1,010	870	970		ASTM D 747
	TD	950	800	1,040		
Tensile impact strength (kJ/m ²)	MD	130	130	130	ASTM D 1822	
	TD	110	125	115		
Haze (all/int) (%)	MD	65	59	62	JIS K 7105	
	TD	50	42	60		
Total light transmission(%)		85	84	86	JIS K 7105	
Water vapor transmission (g/m ² -24h)		0.4	0.4	0.4	JIS K 7129 B	
Oxygen transmission (cc/m ² -24h)		85	100	84	JIS K 7126 B	
Du Pont impact strength (J)	0°C	1.7	2.2	0.9	Measurement condition: Impact center diameter: Φ15.8 Anvil diameter: Φ16.2	
	5°C	2.2	2.4	12.2		
	23°C	3.3	3.1	3		

*Data described in this document is a representative example of measured values under specific conditions.

*Contents of this document are subject to change without prior notice due to product improvement.

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