

MULTIALY™

Polyolefin-based grade

These are our standard grade lineup. A variety of other grades are also available.

Grade			Standard PBP-N100	High barrier PBP-N200	Non-barrier PNP-N400	Cold Resistance PBP-W130	High Rigidity PBP-N170	Test method
Color			Natural	Natural	Natural	White	Natural	
Sheet thickness(mm)		mmt	0.8	0.8	0.8	0.8	0.8	-
Tensile properties	Tensile modulus	M D	MPa	1,860	1,930	1,820	1,600	JIS K 7161
	Yield strength		MPa	33	34	33	26	
	Breaking strength		MPa	33	36	55	20	
	Elongation		%	500	480	520	470	
	Tensile modulus	T D	MPa	1,750	1,830	1,720	1,630	
	Yield strength		MPa	31	32	32	25	
	Breaking strength		MPa	32	30	43	34	
	Elongation		%	300	260	440	420	
Tensile impact strength		MD	kJ/m ²	36	34	84	35	ASTM D 1822
		TD		35	39	64	33	
Oxygen transmission(23℃50%RH)			cc/m ² ·day	0.05	0.03	78.7	0.07	JIS K 7126-B
Water vapor transmission(40℃90%RH)			g/m ² ·day	0.42	0.22	0.30	0.39	JIS K 7129-B
Du Pont impact strength		23℃	J	7.09	6.57	7.80	7.26	Measurement condition: Impact center diameter: Φ15.8 Anvil diameter: Φ16.2
		5℃		5.39	5.20	4.22	6.00	
Haze		all	%	64	66	59	-	JIS K 7136
Total light transmission			%	84	83	85	-	

*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.

Idemitsu Unitech Co.,Ltd