

## UPM BRILLIANT™

Wish to be able to tailor your label release liner to suit your needs? It's possible with these heavily calendered, transparent glassine papers. Glassines offer very good quality consistency, optimal surface properties, even thickness and strength.

### UPM BRILLIANT™:

<b>Category</b>	Base papers
<b>Grade</b>	Glassine
<b>End use</b>	Label
<b>Finish</b>	Supercalendered
<b>Format/Size</b>	Reels
<b>Reel Diameter (cm)</b>	80,0 - 135,0 / 147,0
<b>Reel Width (cm)</b>	50,0 - 230,0
<b>Core (mm)</b>	76,0 / 153,0
<b>Certificates and labels</b>	94/62 EC Heavy Metal Certificate   BfR Food Certificate   EMAS   EN 71/3:1988 D Safety of Toys   FDA Food Certificate   Food Approval Statement   FSC Chain-of-Custody   ISO 14001   ISO 22000   ISO 9001   PEFC Chain-of-Custody
<b>Note</b>	PEFC and FSC on request but subject to availability.

TECHNICAL TARGET VALUES:

<b>Basis Weight (ISO 536) (g/m<sup>2</sup>) (lb/3000ft<sup>2</sup>)</b>	45.0 (27.6)	56.0 (34.4)	58.0 (35.6)	59.0 (36.2)	60.0 (36.8)	61.0 (37.5)	62.0 (38.1)	64.0 (39.3)	78.0 (47.9)	90.0 (55.3)
<b>Thickness (ISO 534) (µm) (mils)</b>	41.0 (1.6)	49.0 (1.9)	51.0 (2.0)	52.0 (2.0)	53.0 (2.1)	54.0 (2.1)	55.0 (2.2)	57.0 (2.2)	68.0 (2.7)	78.0 (3.1)
<b>Moisture (%)</b>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
<b>Tensile Strength MD (kN/m) (lb/in)</b>	4.0 (22.8)	6.0 (34.3)	6.4 (36.5)	6.5 (37.1)	6.6 (37.7)	6.7 (38.3)	6.8 (38.8)	7.0 (40.0)	8.3 (47.4)	9.3 (53.1)
<b>Tensile Strength CD (kN/m) (lb/in)</b>	1.6 (9.1)	2.3 (13.1)	2.4 (13.7)	2.5 (14.3)	2.5 (14.3)	2.6 (14.8)	2.6 (14.8)	2.7 (15.4)	3.3 (18.8)	3.8 (21.7)
<b>Tear Strength MD (mN) (g)</b>	270.0 (27.5)	290.0 (29.6)	300.0 (30.6)	310.0 (31.6)	315.0 (32.1)	320.0 (32.6)	325.0 (33.2)	335.0 (34.2)	450.0 (45.9)	550.0 (56.1)
<b>Tear Strength CD (mN) (g)</b>	280.0 (28.6)	300.0 (30.6)	315.0 (32.1)	325.0 (33.2)	340.0 (34.7)	345.0 (35.2)	350.0 (35.7)	360.0 (36.7)	560.0 (57.1)	720.0 (73.4)
<b>Unger Oil Absorption (g/m<sup>2</sup>)</b>	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
<b>Transparency (%)</b>	59.0	51.0	50.0	50.0	49.0	49.0	48.0	48.0	40.0	35.0
<b>Roughness PPS10 TS (µm)</b>	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
<b>L-value C/2°</b>	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
<b>a-value C/2°</b>	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
<b>b-value C/2°</b>	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
<b>Porosity BEKK (s)</b>	135.0	150.0	150.0	150.0	155.0	155.0	160.0	165.0	210.0	240.0

Imperial values indicated in paranthesis

Please note: Technical values are informative and subject to production variations.