

## Certificate of Analysis Achilles Spezial-Matt®

**Description:** Extruded, biaxially oriented and special coated polypropylen film for lamination.

**Characteristics:** matt-character,  
scuff-resistant surface.

**Treatment:** Both sides corona-treated min 38 dyn.

Properties		Unit	Test-Method	Typical Values
Thickness		µm	Achilles Method	17 (tolerance 5%)
Tensile Strength	MD	MPa	ASTM D 882	102,3
	TD			210,7
Elongation at break	MD	%	ASTM D 882	155
	TD			46
Haze		%	ASTM D1003	63,3
transparency		%	ASTM D1003	90,5
Gloss (Matt)		–	Achilles Method 60°	6 - 8
Coefficient of friction	m/m	–	DIN EN ISO8295	0,39
Heat Shrinkage	MD	%	DIN 53 377	6,1
	TD			2,4
Unit weight		g/m <sup>2</sup>	ASTM D792	13,0
Yield		m <sup>2</sup> /kg	ASTM D792	76,92

MD = machine direction  
TD = cross machine direction

The details contained in this bulletin comply with the current state of our know-how; they do not constitute any extension of the guaranteed services stipulated in our delivery conditions and are in particular no warranted properties. This information bulletin can only provide unbinding advice with regard to differences in printing substrates and working conditions. Before circulation printing begins, it is important for the printers to check by suitable means whether the materials are appropriate for the intended purpose.