

## Certificate of Analysis

### Achilles Structural-Leather Thermal

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

**Characteristics:** structure leather, scuff-resistant surface.

**Treatment:** The not-coated side corona-treated.

Properties		Unit	Test-Method	Typical Values
Thickness		µm	Achilles Method	33 (tolerance 5%)
Tensile Strength	MD	MPa	ASTM D 882	73,2
	TD			119,4
Elongation at break	MD	%	ASTM D 882	180
	TD			43
Haze		%	ASTM D1003	88,7
transparency		%	ASTM D1003	89,3
Gloss (Matt)		–	Achilles Method 60°	15-17
Coefficient of friction	m/m	–	DIN EN ISO8295	0,75
Heat Shrinkage	MD	%	DIN 53 377	14,3
	TD			8,6
Unit weight		g/m <sup>2</sup>	ASTM D792	23,0
Yield		m <sup>2</sup> /kg	ASTM D792	43,48
Lamination temperature		°C		105

MD = machine direction  
TD = cross machine direction

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