



Technical Data Sheet

[ULSTAR-1100 High Density Grade]

As of April 21, 2015

Item	Specification		Evaluation Method
Physical Properties	Material	Polypropylene	
	Thickness	80 ± 5 μm	Micro-gauge
	Product Size	Width 110mm+0/-1 Length 20m+/-0.1	Roll unit
	Whiteness	80.0% Min	ASTM E 313 Spectro eye
	Maximum Optical Density (Dmax)	1.60 Min	DIN 16536 Spectro eye
	Gloss	80.0% Min	ASTM D 523 Incident angle ; 85°
Preservation Abilities	Thermal resistance	90% Min	At 50°C, No Color Change during 1 day (Preservability of Max. Optical Density)
	Humidity Resistance	90% Min	At 40°C, 90%RH, 26 hours (Preservability of Max. Optical Density)
	Sunlight Resistance	90% Min	Below sunlight, 28°C, 50%RH, 1day, (Preservability of Max. Optical Density)