

TECHNICAL DATA SHEET

Article code 158xxxxxxxx22s

Article code 158xxxxxxxx23s



TK SCUFF FREE MATT (Bopp)

Profile: *Biaxially oriented polypropylene acrylic coated outside thermal laminating film

Features: *Good tear resistance

*Very good scuff resistant matt surface

*Acrylic coated matt surface is suitable for printing, hot foil stamping and UV spot varnish (initial test required)

*Glue-able, Bondable tests made on folder gluing machine with different water based glues brought good results

*See attached Declaration of compliance Page 2/2 for regulation information such as the REACH, SVHC & European toy standard EN 71-3.

Regulations & Directives:

* Acrylic coated matt surface is in accordance with article 16 of the EU Regulation 1935/2004

* Statement of composition only for secondary food packaging, the film is not suitable for direct contact with foodstuffs.

* The film is classified as articles according to the REACH regulation and therefore safety material data sheets are not necessary, because the substances contained in the film do not contain concentrations of 0.1% or more from the SVHC list.

Applications:

* Thermal lamination with all kinds of printed & unprinted paper, paperboards, book covers, posters, magazines, diaries etc.

Typical Properties +-5%	Unit	Test Method	Values
Thickness	Microns	Internal	29
Unit Weight	g/m ²	ASTM D792	25,7
Yield	M ² /kg	ASTM D792	39,0
Gloss 60° (Matt Outside)	%	Internal	5,0
Surface tension glue side (inside)	Dynes/cm	Internal	40
Recommended laminating	°C	Internal	100 ~ 115
Coefficient of friction	Film / film	Internal	0,35

Recommended storage conditions: For best performance store in a dry, clean location away from direct sunlight approx. between 20 ~ 30°C, 40% relative humidity).

Disclaimer: The information provided above is to the best of knowledge of the supplier, the values provided are test results, which are indicative only and provided for guidelines.

Ultralen® registered trademark

The aforementioned data are given most conscientiously but without any obligation. Any processing details are provided merely for guidance, it is the user's responsibility to check the suitability of the product for the intended application.

Warranty: This product has a warranty of 180 days from the date on the invoice; claims after 180 days from the date on the invoice cannot be accepted. Please always keep the full label details of the roll available for warranty purposes, without full label details claims cannot be accepted or handled normally.

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Declaration of Compliance

Dear customer, we have confirmation from the film producer, and can confirm that the raw material components used in the TK Scuff free matt meets the requirements of the European Inventory of Existing Chemical (EINECS), the "EuPIA Exclusion Policy for Printing Inks and Regulated Products" This film type is in compliance with the REACH Regulation (EC) N°. 1907/2006.

Substances of very high concern

According to the technical knowledge of the Producer, this film does not contain any SVHC substances with a concentration of > 0.1 %. In addition, this film type does not contain any substances subject to authorization in Annex XIV and no restricted substances in Annex XVII of REACH Regulation (EC) N°1907/2006.

European toy standard EN 71-3: 2013

The European toy standard EN 71-3:2013 limits the content of certain elements such as aluminum, antimony, arsenic, barium, lead, boron, cadmium, chromium, cobalt, copper, manganese, nickel, organotin, mercury, selenium, strontium, zinc and tin into toys. We have confirmation that the limit values of the heavy metals mentioned above are not exceeded in this film type.

Furthermore, we have confirmation and can therefore confirm that this film type does not contain any of the following substances according to the knowledge of the producer of this film type.

- Silicone oils
- MOH (Mineral oil Hydrocarbons)
- MOSH (Mineral oil saturated Hydrocarbons)
- MOAH (Mineral oil aromatic Hydrocarbons)
- POSH (Polyolefin Oligomeric saturated Hydrocarbons)
- Oxo-Fragmental plastics

However, ubiquitous traces, which could occur everywhere, cannot be completely excluded.

This information is given to the best of the producer's knowledge.

Kind Regards: Ultralen Quality Management