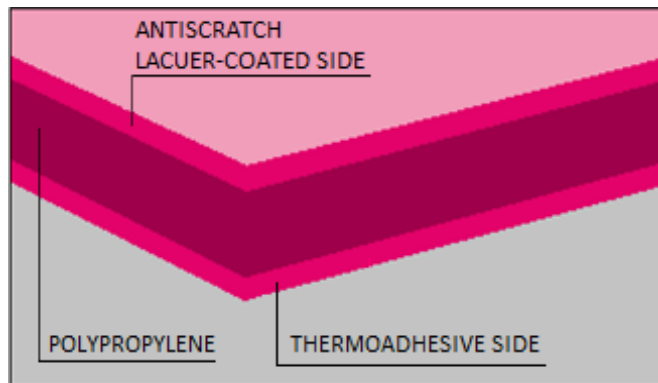


TECHNICAL DATA SHEET

UltraShield dry - NDA028

UltraShield dry - NDA028 is a matte polypropylene film with one side coated with a lacquer that provides an antiscratch effect, and the other side coated with adhesive, which is specifically designed for thermal lamination of printed or unprinted paper and cardboard.



TYPICAL TECHNICAL FEATURES ^(*)

PHYSICAL PROPERTIES		UNIT	VALUE	METHOD
Thickness		μm	28 ± 2	ASTM E252
Grammage		g/m ²	27,7 ± 1,39	Internal
COF	dynamic	-	≤ 0,8	ASTM D1894
Surface tension	lacquered-coated side	dyne/cm	≥ 38	ASTM D2578

MECHANICAL PROPERTIES		UNIT	VALUE	METHOD
Tensile strength	MD	Mpa	≥ 110	ASTM D882
	TD		≥ 200	
Elongation at break	MD	%	≤ 180	ASTM D882
	TD		≤ 75	

THERMAL PROPERTIES		UNIT	VALUE	METHOD
Thermal shrinkage	MD	%	≤ 5,0	ASTM D1204
	TD		≤ 3,0	
Lamination temperature		°C	90 - 110 ⁽⁺⁾	Internal
Lamination pressure		Mpa	20 - 25 ⁽⁺⁾	Internal
Lamination speed		m/min	10 - 80 ⁽⁺⁾	Internal

⁽⁺⁾ variable according to the processing conditions

OPTICAL PROPERTIES		UNIT	VALUE	METHOD
Haze		%	≥ 60	ASTM D1003

STORAGE

Store the material in a dry location (preferably with RH ≤ 55%) at a constant temperature between 10°C and 30°C. Do not leave it exposed to direct sunlight or atmospheric agents.
Partially used reels have to be repacked as originally supplied.

^(*) The information and data contained herein are to be used only as a guideline; therefore, MAG DATA Spa doesn't offer any guarantee on their absolute truthfulness and doesn't accept any liability arising out of their use.

WARRANTY

Material processability is guaranteed up to 6 months since shipment date, as long as it is stored correctly. It is recommended to condition the material at room temperature at least 24 hours before its use.

DISCLAIMERS

MAG DATA Spa gives no warranty, expressed or implied, as to the suitability of the material for a specific application or characteristic use. An industrial homologation test of the material in actual conditions of purpose is always needed in order to verify its suitability for the specific application or characteristic use.

Before using the material, it is advisable to check the compatibility of the inks and adhesives to be purposed with the type and level of its treatment.