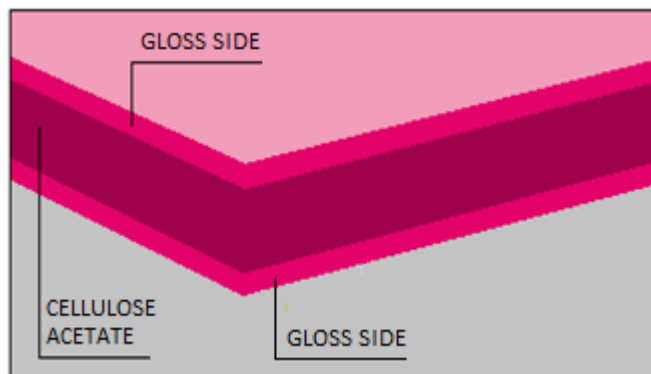


TECHNICAL DATA SHEET

ACE GLOSS - CGL020

ACE GLOSS - CGL020 is a both sides gloss cellulose acetate film.



TYPICAL TECHNICAL FEATURES ^(*)

PHYSICAL PROPERTIES		UNIT	VALUE	METHOD
Thickness		μm	20 ± 1	Internal
Yield		m ² /kg	37,88 ± 1,90	Internal
Grammage		g/m ²	26,40 ± 1,32	Internal
COF	dynamic	-	0,40 - 0,65	Internal
Surface tension		dyne/cm	≥ 38	Internal

MECHANICAL PROPERTIES		UNIT	VALUE	METHOD
Tensile strength	MD	N/mm ²	80 - 110	ASTM D882
Elongation at break	MD	%	25 - 45	ASTM D882

THERMAL PROPERTIES		UNIT	VALUE	METHOD
Thermal shrinkage (115°C/10min)	MD	%	1,0 - 1,5	Internal
Softening temperature of CA		°C	≈ 140	Internal
Glass transition temperature of CA		°C	≈ 120	Internal

CHEMICAL PROPERTIES			METHOD
- Very low resistance to esters - Low resistance to ketons - Moderate resistance to strong acids and bases - Resistance to non-polar solvents			ASTM D543-87

OPTICAL PROPERTIES		UNIT	VALUE	METHOD
Gloss	60°C	GU	144	ASTM D523
Haze		%	0,7	ASTM D1003
Transmittance			92	ASTM D1746

^(*) 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.

BARRIER PROPERTIES	UNIT	VALUE	METHOD
WVTR (38°C/90%UR)	g/(m ² ·24h)	1.890	Internal
O ₂ TR (23°C/0%RH)	cm ³ /(m ² ·24h·bar)	1.867	Internal

STORAGE

Store the material in a dry location (preferably with RH $\cong$ 45%) at a constant temperature between 15°C and 25°C. Do not leave it exposed to direct sunlight or atmospheric agents.

Partially used reels have to be repacked as originally supplied.

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.