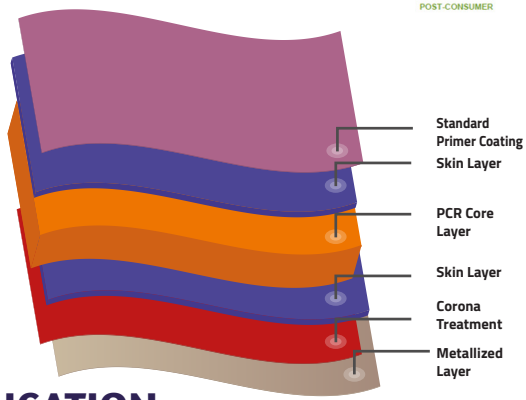
R-AUT-M

ASCLEPIUS METALLIZED STANDARD PRIMER COATED FILM

R-AUT-M is a metallized BOPET film with post consumer recycle content for a low carbon footprint. The film is one side Standard Primer Coated and the other side Corona Treated. The film is available in optical densities ranging from 1.4 to 3.0; this wide range gives options to the customer to use the product for a diverse range of applications. The metallization is available on the Corona Treated surface (MT). The bond between the metal & film is a minimum of 130 gm/25mm when metallized on the Corona Treated surface. This film is suitable for flexible packaging including pasteurization applications. This data sheet applies to all PCR content levels (30, 50, 90, and 100%).

FILM STRUCTURE

MINIMUM 90% RECYCLED CONTENT POST-CONSUMER



KEY FEATURES:

- Excellent gloss
- Good barrier properties
- Excellent machinability & handling properties
- Post consumer recycle content for a low carbon footprint (all % PCR)

APPLICATION:

- Flexible Packaging
- Lamination
- Decorative application

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
OPTICAL DENSITY*** (TOLERANCE: +/- 5%) (***Customer to specify the OD value as per their specification.)				Standard Density (SD) 2.2 - Barrier Packaging Application		
				High Density (HD) 2.5 - High Barrier Application		
				Very High Density (VHD) 2.8 - Special Application		
THICKNESS		Internal	Micron	9		
			(Gauge)	36		
YIELD		Internal	m^2 / kg	71.42		
			in^2 /lb	50318		
SURFACE TENSION (min) ★ (Standard Primer Coated Surface)		ASTM D-2578	dyne/cm	40		
COF (max) (One side to the other)		ASTM D-1894	-	0.70		
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm^2	1900		
	TD			2000		
	MD		(Psi)	27000		
	TD			28500		
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	90		
	TD			80		
LINEAR SHRINKAGE (max) (30 Minute at 105°C)	MD	ASTM D-1204	%	1.5		
	TD			0.6		
MVTR (38° C & 90% RH) (typical)		ASTM F-1249		SD	HD	VHD
			gm/m^2/day	1	0.6	0.4
			(gm/100 in^2/day)	0.06	0.04	0.03
OTR (23° C & 0% RH) (typical)		ASTM D-3985	cc/m^2/day	1.1	1	0.8
			(cc/100 in^2/day)	0.07	0.06	0.05

★ This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

STORAGE & HANDLING

FLEXMETPROTECT™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

DISCLAIMER

Ref. No: QAD UFLI S/20 -F87/1
**** TDS issued on 01-04-2020. All previous version of this grade are invalid.**

FlexFilms
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