TAPADIA POLYESTERS PVT LTD

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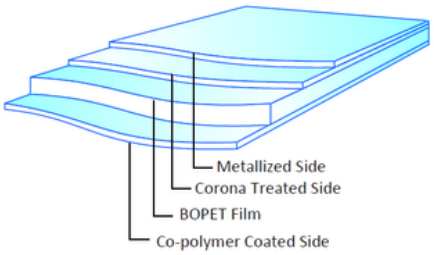
TAPADIA POLYESTERS

PRODUCT DATA SHEET T-PET PCM-04

Film Structure



Product Description:
PCM -04 grade is a Biaxially Oriented Vaccum Metallized Polyester Film with enchanced barrier and high gloss properties.
The base film used is one side copolymer coated polyester film and other side Corona Treated . Metallization will be done on corona treated side of base film.

Key Features:
i. Excellent machineability & handeling properties.
ii. High Gloss.
iii. Excellent Bond Strength

Application:
i. Flexible Packaging Printing, Coating, Lamination
ii. Flexible Air Ducts & Air Connectors

Property		Unit	Test Method	Typical Value
Thickness		Micron	Internal	10,12
Yield		m2/Kg	Internal	59.5
Tensil Strength	MD	Kg/cm2	ASTM D 882	1900
	TD			2000
Elongation	MD	%	ASTM D 882	105
	TD			85
Heat Shrinkage 150°C 30 min	MD	%	ASTM D 1204	2.0
	TD			0.4
Co-Efficient of Friction	Static	-	ASTM D 1894	0.55
	Dynamic	-		0.50
Wetting Tension (Pre-Metallization)	Corona SIde	Dyne/cm	ASTM D 2578	56
WVTR (38 °C & 90%RH) (Max)		gm/m2/day	ASTM F 1249	1.0
OTR (23°C & 0%RH) (Max)		cc/m2/day	ASTM D 3985	1.2
Optical Density (±5%)		---	Optel Make Instrument	2.0
Metal Bond Strength (Min)		Gm/25 mm	AMICAL TP 105-92	150

MD= MACHINE DIRECTION *TD= TRANSVERSE DIRECTION

The data above only represents 12 Micron, specific data for other microns will be provided on request.

STORAGE & HANDLING
T-PET does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at operating environment for 24 hours before processing. T-PET is best suitable for use up to 3 months from date of dispatch.

FOOD CONTACT
T-PET complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER
It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability I compatibility in all respects. TPPL gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. TPPL serves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.

****TDS issued on 08th July 2025 . All Previous versions for this grade are invaild.**