MacLellan
Polymers to Industry

Data Sheet	Mylar A Polyester Film
Data Sheet Type	Final
Material Reference	Mylar A
Polymer	
Date Issued	07/09/26

Description

Mylar A is a general purpose polyester film material with excellent technical characteristics that make it suitable for a wide range of industrial applications. It has a hazy appearance and rough surface to provide ease of handling and processability.

The material meets the dielectric strength technical requirements of ASTM D149-81.

Specifications	Values	Test Methods
Coefficient of Linear Thermal Expansion	19x10-6 (TD) cm/cm/deg C	None
Density	1.4 g/cc	ASTM D1505
Dielectric Strength	400 v/mil	ASTM D149
Elongation at Break	140 %	ASTM D882
Haze	41 %	ASTM D1003
Highest Recommended Working Temperature	150 °C	None
Lowest Recommended Working Temperature	-70 °C	None
Melting Temperature	245 °C	ASTM E794-85
Shrinkage	0.3 (TD) %	ASTM D1204
Tensile Strength	29 (TD) Kgf/mm2	ASTM D882
Weight	105 g/m 2	None

Purposes

Chemical Resistant

Electrical Insulation

Food Contact Suitability

High Working Temperature

Low Working Temperature

Nitrosamine Free

Ozone Resitance

Water Resistant

Weather Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.