MacLellan
Polymers to Industry

Data Sheet	Low Density Polyethylene Film
Data Sheet Type	Final
Material Reference	PE30203
Polymer	PE
Date Issued	08/11/26

Description

A low density polyethylene film that meets the general technical requirements of BS7344, widely used in packaging applications.

Specifications	Values	Test Methods
Coefficient of Friction	0.3	BS2782
Density	918 Kg/m3	ASTM D792
Elongation at Break	850 %	ASTM D882
Gloss	55	ASTM D 2457
Haze	14 %	ASTM D1003
Highest Recommended Working Temperature	65 °C	None
Lowest Recommended Working Temperature	-30 °C	None
Minimum Impact Strength	130 g	ASTM D 1709
Tear Resistance	105 N/mm	ASTM D 1922
Tensile Strength	35 MPA	ASTM D882
Water Vapour Permeability	1.5 %	BS 7406

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.