

Data Sheet

Thermoplastic Polyurethane (TPU) 85 Shore A

Data Sheet Type	Final
Material Reference	TPU 85 Shore
Polymer	Polyurethane
Date Issued	05/07/25



Description

A Polyether Polyurethane, FDA compliant, suitable for a wide range of applications in the Food Industry.

The material has excellent mechanical properties and wear resistance, is flexible and can be welded to fabricate a range of finished products including Flexible Sleeves, Connectors, and Screens.

Available as clear sheet material or in primary colours for specific applications, subject to minimum production batches. Also available in anti-static options.

Manufactured in a range of thicknesses from 0.35mm to 2.5mm, with tolerances of +/-0.05mm on thicknesses up to 0.6mm, and +/- 0.15mm for 1mm and above.

Roll width to suit your requirements up to 1.6mtr.

Specifications	Values	Test Methods
Abrasion Resistance	0.1 mg (H18 500 Cycles 1kg)	None
Colour	Various	None
Elongation at Break	> 500 %	None
Highest Recommended Working Temperature	120 °C	None
Lowest Recommended Working Temperature	-50 °C	None
Shore Hardness (Shore A)	85 ° Shore	None
Tensile Strength	> 50 MPA	None

Purposes



Abrasive Resistance



Food Contact Suitability



Wear Resistant

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.