

## Data Sheet

## 90 Shore Polyurethane Sheet

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|--------------------|--------------------|
| Data Sheet Type    | Final              |
| Material Reference | Polyurethane Sheet |
| Polymer            | Polyurethane       |
| Date Issued        | 20/01/25           |



## Description

Solid 90 Shore A Polyurethane Moulded Sheet, with excellent mechanical properties and resistance to abrasion and tear that far exceed those of other rubbers and elastomers, and is also resistant to contact with oils and aliphatic hydrocarbons.

The material is ideal for a wide range of applications in the mining, civil engineering, automotive, industrial and packaging industries.

Manufactured in thicknesses from 1mm to 50mm (others on request) in standard sheet sizes of 2000mm x 1000mm or 3000mm x 1000mm, and in a hardness range from 55 to 93 Shore A. Our standard stock colour is Ochre, other colours are available on request.

| Specifications                          | Values                 | Test Methods |
|-----------------------------------------|------------------------|--------------|
| Abrasion Resistance                     | 20 mm <sup>3</sup>     | DIN 53516    |
| Compression Set                         | 30 %                   | DIN 53517    |
| Density                                 | 1.25 g/cm <sup>3</sup> | DIN 53479    |
| Elongation at Break                     | 575 %                  | DIN 53504    |
| Highest Recommended Working Temperature | 80 °C                  | None         |
| Lowest Recommended Working Temperature  | -30 °C                 | None         |
| Shore Hardness (Shore A)                | 90 ° Shore             | DIN 53505    |
| Tear Strength                           | 60 N/mm <sup>2</sup>   | DIN 53504    |
| Tensile Strength                        | 45 N/mm <sup>2</sup>   | DIN 53504    |

## Purposes



Chemical Resistant



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.