

# Technical Data Sheet

## Polyurethane Sheet (WCMPUSHT)

POLYURETHANE

**CHEMICAL DESCRIPTION:** Polyurethane Ester/Ether (Pu)

**PHYSICAL PROPERTIES**

TENSILE STRENGTH:	14-63 Mpa (DIN53504)
ELONGATION	510 - 710 % (DIN53504)
HARDNESS:	35 - 95° Sh A
TEAR STRENGTH:	
Without nick:	22 - 142 kN/m (ISO 34-1)
With nick:	7 - 72 kN/m (ISO 34-1)
RESILIENCE:	30-65% (DIN53512)
ABRASION LOSS:	30 - 45mm <sup>3</sup> (ISO4649)
COMPRESSION SET DEFLECTION:	8 - 31% (ISO815-1)
SPECIFIC GRAVITY:	1.18 - 1.24



With its abrasion resistance characteristics Polyurethane is the material of choice when being used with aggressive media, or when longevity is required.

Polyurethane sheets can be supplied in sheets up to 1600mm and up to 3500mm or 1100mm x 4900mm in a variety of colours.

We can also offer flame retardant and anti static grades from 60-90 Sh A which meet the standards laid out in National Coal Board Specification 158.

Metal Detectable (MD) is part of a new series of polyester-based thermoplastic polyurethanes (TPU), specifically targeted for extruded profiles, film and sheet applications.

Metal Detectable TPU exhibits the excellent abrasion resistance and properties found with standard TPU, with the added benefit of being metal detectable. It also conforms to FDA food contact directives and has been approved for use by the USDA.

MD Pu is available up to 1220mm wide and 5mm thick.



Certificate Number: 14352  
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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