

# PU RUBBER



Polyurethane (PU) rubber is designed for vacuum casting and is known for its range of durometers and tear resistance. It is ideal for individual rubber components and works effectively for casting pressure pads and other rubber features onto rigid materials in a two-shot process. PU can be pigmented, allowing castings to be produced in a variety of colours.

## PROPERTIES

HARDNESS	90 SHORE A	80 SHORE A	70 SHORE A	60 SHORE A	50 SHORE A	40 SHORE A	30 SHORE A	20 SHORE A	10 SHORE A
Tensile Strength	22 MPa	11 MPa	7.8 MPa	5.3 MPa	3.4 MPa	2.5 MPa	2.0 MPa	1.1 MPa	0.9 MPa
Elongation	260%	220%	230%	240%	260%	290%	320%	350%	380%
Tear Strength	71 N/mm	52 N/mm	33 N/mm	20 N/mm	13 N/mm	11 N/mm	8.6 N/mm	4.9 N/mm	5.2 N/mm
Density of final product	1.14 g/cm <sup>3</sup>	1.10 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>	1.07 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	1.03 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>

## APPLICATION

Flexible pressure pads  
Grips and handles  
Seals and gaskets

Engine mounts  
Wiper blades  
Shock absorbers