

# UR-1 - Specifications

## Description

This material is known for its variety of durometers and tear resistance. It is good not only for individual rubber components but works well for casting pressure pads and other rubber features onto rigid materials in a two-shot process. UR1 is pigment able so castings can be produced in color as well.

## Applications

- Commercial product testing
- Functional assembly
- Public surveys
- Field testing
- Visual evaluation
- Aesthetic evaluation

## Properties

<b>Hardness</b>	90 Shore A	80 Shore A	70 Shore A	60 Shore A	50 Shore A	40 Shore A	30 Shore A	20 Shore A
<b>Tensile strength</b>	18 MPa	14 MPa	8 MPa	7 MPa	5 MPa	2.5 MPa	2 MPa	1.5 MPa
<b>Elongation</b>	200%	240%	260%	280%	300%	310%	370%	490%
<b>Tear strength</b>	70 N/mm	60 N/mm	40 N/mm	30 N/mm	20 N/mm	13 N/mm	10 N/mm	7 N/mm
<b>Rebound elasticity</b>	50%	52%	56%	56%	60%	63%	58%	55%
<b>Specific gravity @25°C</b>	1.13 g/cm3	1.1 g/cm3	1.08 g/cm3	1.07 g/cm3	-	-	-	-
<b>Shrinkage</b>	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4

# UR-1

