

Cast Urethane

Cast Urethane Advantages



- Thickness tolerances +/- 0.1mm
- Transparent or pigmented.
- Excellent impact, abrasion, cut and tear resistance
- Superb resilience with exceptional elastomeric memory
- Greater load-bearing capabilities, low compression set
- Hardness 60 – 95 'Shore A'
- Operating Temperature -30°C / +120°C
- Exceptional oil and solvent resistance
- Excellent ozone, oxidation and radiation resistance
- Good Insulating (sound, anti-vibration, non-conductive) properties
- Design flexibility.

Physical Properties of Cast Urethane

Hardness Shore A	90	78	68	60
100% Modulus Mpa	10	4.5	2	1.5
300% Modulus Mpa	14	10.5	6	4.5
E.B%	450	450	480	550
UTS Mpa	38	35	22	18
Youngs Modulus Mpa	20	8	3	2
Tear Strength N/mm	60	25	15	25
Resilience %	40	45	30	25



Centrifugally cast sheet urethane available in:

Length: >2650mm
 Width: >450mm
 Thickness: 0.90mm – 10.00mm (+/- 0.1mm)
 Hardness: 60 – 95 'Shore A' (+/- 3)

Typical Applications:

Gaskets, Seals, Scraper Blades, Magnetic Strips, Shock Absorbers, Laminate Film, Squeegee Blades, Anti-static mats, Conductors, Cleaning Blades, Charge Blades, Metal Forming, Media Transport, Rollers, Thermal Spacers, Casters and Screens.