

Centrifugally Cast Urethane

Centrifugally Cast urethane, also known as 'spun cast', has particular advantages over traditional 'open cast' manufacturing methods. BMP's expertise in 'spun cast' urethane has stemmed from its relationships with many of the worlds leading digital printing companies to produce high performance cleaning, charging and metering blades, over 10 million of which are produced annually. Our in-house chemists, along with our specially developed and specified centrifuges, combine to ensure that consistent, bubble free urethane sheet is produced to tightly controlled tolerances (typically 0.1mm).



Why use Urethane?

Cast urethane is a unique thermoset elastomeric material that bridges the gap between highly extensible rubber elastomers and low-elongation rigid plastics. Although light in weight, products made from cast urethane materials exhibit a toughness which can withstand industrial abuse that would break down most rubbers, plastics and even metals.



'Spun 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'
- Exceptional oil and solvent resistance
- Excellent ozone, oxidation and radiation resistance
- Design flexibility.