



## ACRYLONITILE BUTADIENE STYRENE (A.B.S)

### GENERAL

Density	ISO1183	1.05	g/cm <sup>3</sup>
Water Absorption	ISO62	0.95	%

### MECHANICAL

---

Tensile Strength	ISO527-2	45	MPa
Elongation at Break	ISO527-2	3	%
Tensile Modulus	ISO527-2	2400	MPa
Flexural Strength	ISO178	70	MPa
Flexural Modulus	ISO178	-	MPa
Izod Impact Strength, Notched, 23 °C	ISO180/1A	33	kJ/m <sup>2</sup>
Izod Impact Strength, Notched, -30 °C	ISO180/1A	12	kJ/m <sup>2</sup>

### THERMAL

---

Vicat Softening Temperature, B50, Annealed	ISO306	100	°C
Heat Distortion Temperature, 1.8MPa		80	°C
Linear Thermal Expansion	DIN53752	8-11	/°K x 10 <sup>-5</sup>

This information is intended as a guideline for designers and processors of thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

No information supplied by Australian Sheet Traders constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use. Australian Sheet Traders offers no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use.

AUSTRALIAN SHEET TRADERS