



Australian Sheet Traders

Plastics & Timber Sheet Distributors

Product Data Sheet

HIGH IMPACT POLYSTYRENE (HIPS)

TYPICAL PHYSICAL PROPERTIES

	English	ASTM Test
Specific Gravity (g/cm ³)	1.07	D 792
Specific Volume (in ³ /lb)		
Water Absorbtion , 24hr, 1/8-in thk (%)		

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.8 ft-lb/in	D 256
Tensile Strength (psi)	2,500	D 638
Flexural Strength (Mpa)	36	D 638
Flexural Modulus (Mpa)	2,200	D 790

THERMAL

Deflection Temperature @ 264 psi	170 °F	D 648
@ 66 psi	200 °F	

ELECTRICAL

Volume resistivity (ohm-cm)

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.

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