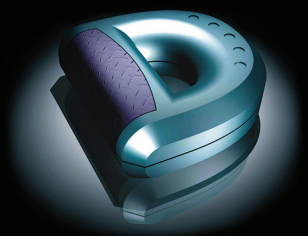
ABS (SG95)

Similar to ABS - Excellent all-round properties, strong & transparent.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- Large, thin-walled parts
- Snap Fits
- Colour Matching
- Production & pre-production

PROPERTIES:

- Good all-round properties
- Pigmentable
- Strong
- Optical Properties

CURED PROPERTIES

		TEST / ISO STANDARD
Colour	Colourless	
Transparency	Transparent	
Shore hardness At 23 °C	82 D	868
Shore hardness At 60 °C	77 D	
Shore hardness At 80 °C	74 D	
Flexural strength	88.6 N/mm^2	178
Flexural modulus	2195 N/mm^2	178
Tensile strength	54 N/mm^2	R 527
Tensile modulus	2521 N/mm^2	R 527
Izod impact	7.3 kJ/m^2	180
Yield strength	64.2 N/mm^2	R 527
Elongation yield	6 %	
Elongation at break	12 %	R 527
Tear strength	Not measured	34
Thermal conductivity	0.208 W/mK	BS 874
Heat deflection temperature	72 °C	(test piece 110 mm × 12.7 mm × 6.4 mm)
Glass transition temperature	85 °C	

OPTICAL PROPERTIES

REFRACTIVE INDEX	TRANSMISSIVITY	DIFFUSED LIGHTS	PARALLELED LIGHTS
1.51	88.1	0.9	87.2

The information in this data sheet, as supplied by the material manufacturers, is provided for general guidance only, in good faith and without warranty. The performance characteristics may vary depending on the application, operating conditions or other materials in combination and it is the responsibility of the customer to determine the suitability of the product for its end use.

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