

SG95

Similar to ABS – transparent with optical properties



Physical Properties

Colour	Clear/Transparent
Pigmentable	Yes

Mechanical Properties

			TEST/ISO	
Hardness	Shore A/D	@ 23°C	82D	868
		@ 60°C	77D	
		@ 80°C	74D	
Flexural Strength (MPa)			88,6	178
Flexural Modulus (MPa)			2195	
Tensile Strength (MPa)			2521	180
Tensile Modulus (MPa)			54	527
Izod Impact (Kj/m ²)			8,9	180
Elongation Break (%)			12	527

Thermal & Specific Properties

Thermal Conductivity (W/mK)	0,208	BS874
Heat Deflection Temperature (°C) (Test piece 110 x 12,7 x 6,4mm)	72	-
Yield Strength (MPa)	64,2	R527
Elongation Yield (%)	6	-

Optical Data

Refractive Index	1,51
Transmissivity	88,1
Diffused lights	0,9
Paralleled lights	87,2

Call: 028 9070 6940

Email: sales@laserproto.com

Web: www.laserproto.com

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