

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 |

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