

RenShape[®] SL 7820

	90-minute UV post-cure	90-minute UV + 2 hours @ 80°C (176°F) thermal post-cure
Hardness ASTM D-2240	86 Shore D	87 Shore D
Flexural modulus ASTM D-790	2 000-2 400 MPa (290-348 ksi)	2 100-2 500 MPa (304-362 ksi)
Flexural strength ASTM D-790	59-80 MPa (8 500-11 100 psi)	62-80 MPa (9 000-11 100 psi)
Tensile modulus ASTM D-638	1 900-2 400 MPa (274-348 ksi)	2 000-2 500 MPa (290-362 ksi)
Tensile strength ASTM D-638	36-51 MPa (5 200-7 400 psi)	39-51 MPa (5 700-7 400 psi)
Elongation at break ASTM D-638	8-18%	9-14%
Impact strength, notched Izod ASTM D-256	42-48 J/m (0.79-0.91 ft.-lb./in.)	30-49 J/m (0.88-0.93 ft.-lb./in.)
Heat deflection temperature ASTM D-648 @ 66 psi	51°C (124°F)	50°C (122°F)
Glass transition, T_g DMA, E'' peak	62°C (144°F)	62°C (144°F)
Coefficient of thermal expansion TMA (T<T _g)	93x10 ⁻⁶ / °C	93x10 ⁻⁶ / °C
Cured density	1.16 g/cm ³	1.16 g/cm ³
Color	Dark brown to black	