

**Table showing minimum specified values from
ASME PVHO-1-2012
Versus
Stanley Plastics “Transpalite® SS” Acrylic**

Physical Property	ASME PVHO-1-2012 Specified Values	Transpalite® SS Example Values
Tensile a) Ultimate strength b) Elongation at break c) Modulus of elasticity	≥ 62 MPa $\geq 2\%$ ≥ 2760 MPa	72.9 MPa 4.6% 3338 MPa
Compressive a) Yield strength b) Modulus of elasticity	≥ 103 MPa ≥ 2760 MPa	110 MPa 2790 MPa
Flexural ultimate strength	≥ 97 MPa	119 MPa
Compressive deformation at 27.6 MPa and 50°C, 24 hrs	$\leq 1\%$	0.26%
Ultraviolet transmittance (for 12.5mm thickness)	$\leq 5\%$	0.16%
Visual Clarity	Must pass readability test	Clear and readable
Total residual monomer a) Methyl methacrylate b) Ethyl acrylate	$\leq 1.6\%$	0.91%