

Polycrete 1600

PHYSICAL PROPERTIES

Table 1 – Physical properties of Polycrete 1600

<i>Properties</i>	<i>Result</i>
Water absorption, min.	ASTM D570, 1.2%
Heat shrinkage, min.	ASTM D1299, 0.65%
Tensile strength, min.	ASTM D638, 1200 psi
Elongation at break, min.	ASTM D638, 50%
Tear resistance, min.	ASTM D624, 174 lbs/in ²
Pot life, min.	20 minutes @ 70°F 10 minutes @ 80°F
Oven aging @ 70°F for 72h. Tensile Strength, min. Elongation, loss max	ASTM D638, 1250 psi ASTM D638, 198
Bond test (on cured binder-stone mixture, direct tension method after 25 freeze-thaw cycles)	See Note A, 250 psi.
Durometer Hardness	ASTM D2240, Shore A 80 pts.
Compression Set 22h @ 158°F	ASTM D395 (Method B), 48%

