

ChemSet™ Epcon™ G5 Xtrem™
Material Properties

Date	26/03/2026
Reference	TDS04187



PROPERTY	STANDARD	VALUE
PHYSICAL PROPERTIES		
Linear shrinkage (7 days, 23°C)	ASTM D2566	Shrinkage = 0,001 %
MECHANICAL PROPERTIES		
Compressive behavior (7 days, 23°C)	ASTM D695	Compressive strength = 102 MPa Compressive modulus = 1840 MPa
Flexural behavior (7 days, 23°C)	ASTM D790	Flexural strength = 47 MPa Flexural modulus = 2480 MPa
Tensile behavior (7 days, 23°C)	ASTM D638	Tensile strength = 27 MPa Elongation at break = 0.2%
HEALTH-SAFETY-ENVIRONMENTAL PROPERTIES		
VOC Emissions - French VOC Label	ISO16000	A+
VOC Content	SCAQMD Rule 1168	VOC = 2.7 g/L
VOC Emissions	CDPH 01350 / ASTM D2369	Compliant to LEED V4, V4.1, V5 projects 'Low-Emitting materials'
VOC Emissions	EN 16516 / ISO 16000	Compliant to BREEAM specifications 'Exemplary criteria on VOC Emission'
Effect on water quality	BS6920-1:2014	WRAS Approved No effect on water quality
ELECTRICAL/INSULATING PROPERTIES		
Dielectric properties (alternating current)	CEI 62631-2-1:2018	Relative permittivity = 4.6 Dissipation factor = 0.029
Dielectric properties (direct current)	CEI 62631-3-1:2016	Volume resistivity = 1.1 x 10¹⁵ Ω.cm

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