

Title (en)
GLASS FIBER COMPOSITION

Title (de)
GLASFASERZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE FIBRES DE VERRE

Publication
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Application
EP 00932752 A 20000523

Priority
• US 0014263 W 20000523
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Abstract (en)
[origin: WO0073232A1] The present invention provides a glass fiber composition comprising: 55 to 63 percent by weight SiO₂; 22 to 26 percent by weight CaO; 12 to 16 percent by weight Al₂O₃; 0 to 1 percent by weight MgO; 0.05 to 0.80 percent by weight Fe₂O₃; 0 to 2 percent by weight Na₂O; 0 to 2 percent by weight K₂O; 0 to 2 percent by weight TiO₂; 0 to 2 percent by weight BaO; 0 to 2 percent by weight ZrO₂; and 0 to 2 percent by weight SrO, and at least one material selected from the group consisting of: 0.05 to 2 percent by weight B₂O₃; 0.05 to 2 percent by weight Li₂O; 0.05 to 2 percent by weight ZnO; 0.05 to 2 percent by weight MnO; and 0.05 to 2 percent by weight MnO₂. In one nonlimiting embodiment of the invention, the glass composition has a forming temperature of no greater than 2300 DEG F based on an NIST 717A reference standard, a liquidus temperature of no greater than 2160 DEG F, a ratio of SiO₂ to RO of no greater than 2.65, and a DELTA T of at least 65 DEG F.

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C03C 13/00

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