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**Effect of diazonium substituent position on the filler surface modification
and the mechanical properties of phenolic/zeolite composites**

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Abstract

Composite interfaces and interphases are critical regions that dictate the filler-matrix adhesion with an important output in terms of mechanical properties of the composites. Whilst much has been demonstrated with the filler surface modification, the diazonium interface chemistry has rarely been explored in this sense. Herein, zeolite Micro20 was modified with in situ generated diazonium salts from the 2- and 4-aminobenzyl alcohols and characterized by complementary analytical tools. Moreover, the substituent position effect of the CH₂OH group is examined with the synthesis of 2- and 4-

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