

Proposal for a New Framework Type Code

Proposed 3-Letter Code:

(should be consistent with previously assigned codes)
(check http://www.iza-structure.org/databases/Atlas/Zeolite_names.html)

Reference Material:

(name of the material - e.g. ZSM-5, not the chemical formula or material class)

Chemical Composition:

(per unit cell)

Space Group:

Setting used:

Standard setting (if different):

Cell Parameters:

(for the setting used)

$a =$	Å	$b =$	Å	$c =$	Å
$\alpha =$	°	$\beta =$	°	$\gamma =$	°

Mode of Refinement:

Agreement Factors:

Reference

(attach copy of paper):

Support required for proposed structures:

- (1) Atomic coordinates and displacement parameters in electronic form (preferably as a .cif file)
 - (2) Observed and calculated diffraction patterns for Rietveld refined structures (include wavelength used)
 - (3) Clear drawings of the structure
 - (4) Other relevant experimental results (especially for structures that have not been refined)
 - (5) Reason the material is of interest (for non-4-connected frameworks)
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- (7) Answers to the following questions regarding the microporosity of the material (information is required, but the answers will not affect whether or not a code is assigned)
 - (i) Does the material show reversible desorption and adsorption of small molecules (such as water or other solvent of crystallization)?

If so, under what conditions?

- (ii) Is the structure of the framework retained after any organic species present have been removed?

- (iii) If the material cannot be calcined without loss of structural integrity, can the non-framework species be replaced using other methods (e.g. by ion exchange or washing)?

Date:

Name:
Address: