

ABSTRACT**ZEOLITE ADSORBENT IN THE FORM OF LOW-TORTUOSITY AGGLOMERATES**

The invention concerns a zeolite adsorbent in the form of agglomerates, having: - a tortuosity factor τ , calculated from the pore distribution determined by mercury intrusion porosimetry, strictly greater than 1 and strictly less than 3, - a porosity ϵ_p , determined by mercury porosimetry, of between 25% and 35%, where V_{ma} designates the macroporous volume, V_{me} the mesoporous volume and V_g , the grain volume of the adsorbent, in $\text{cm}^3.\text{g}^{-1}$. The invention also concerns the method for preparing same and a method for separating para-xylene from aromatic hydrocarbon isomer fractions containing 8 carbon atoms by adsorbing the para-xylene by means of said adsorbent.

[No Available Figure]