

# MCM-41 MOLECULAR Sieve

**NS6130-12-001465**

## Quick Facts

Product	:	MCM-41 Molecular Sieve
Stock No	:	NS6130-12-001465
Purity	:	99.9%
Form	:	Beads

## Technical Specification

SSA	APS
>800m <sup>2</sup> /g	200nm-1µm

A molecular sieve is a material with pores (very small holes) of uniform size. These pore diameters are similar in size to small molecules, and thus large molecules cannot enter or be adsorbed, while smaller molecules can. Some molecular sieves are used in chromatography, a separation technique that sorts molecules based on their size. Other molecular sieves are used as desiccants (some examples include activated charcoal and silica gel). Molecular sieves are used for a wide range of catalytic applications.

MCM-41 is a mesoporous material with a hierarchical structure from a family of silicate and aluminosilicate solids that were first developed by researchers at Mobil Oil Corporation and that can be used as catalysts or catalyst supports. MCM-41, as the zeolites, are widely used as catalytic cracking. They are also used for separations.



\* This image is for graphic purposes only and does not represent the actual product.

