

List of Isotherm Kernels Available in the Application (Full Version)

This section details the available kernels, including relevant information about each one.

Models	Nanoporous Materials
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in homogeneous cylindrical pores (MMO silica). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in heterogeneous cylindrical pores (MMO silica, 10% coverage). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials with impurities or functional groups, such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in heterogeneous cylindrical pores (MMO silica, 15% coverage). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials with impurities or functional groups, such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc.
Nitrogen adsorption isotherms using multi-site models at 77 K in homogeneous cylindrical pores (MMO silica). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc.
Nitrogen adsorption isotherms using multi-site models at 77 K in heterogeneous cylindrical pores (MMO silica, 10% coverage). <i>Pore Range:0.65nm-11nm.</i>	Siliceous materials with impurities or functional groups, such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc..
Nitrogen adsorption isotherms using multi-site models at 77 K in heterogeneous cylindrical pores (MMO silica, 15% coverage). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials with impurities or functional groups, such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc..
Nitrogen adsorption isotherms using multi-site models at 77 K in heterogeneous cylindrical pores (MMO silica, 25% coverage). <i>Pore Range: 0.65nm-11nm.</i>	Siliceous materials with impurities or functional groups, such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in slit pores (AC). <i>Pore Range: 0.5nm-5nm.</i>	Activated carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-1, etc.
Nitrogen adsorption isotherms using multi-site models at 77 K in slit pores (AC). <i>Pore Range: 0.5nm-5nm.</i>	Activated carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-1, etc.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in triangular pores (AC). <i>Pore Range: 0.5nm-5nm.</i>	Activated carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-1, etc.
Nitrogen adsorption isotherms using multi-site models at 77 K in triangular pores (AC). <i>Pore Range: 0.5nm-5nm.</i>	Activated Carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-1, etc.
Argon adsorption isotherms using pseudo-spherical models at 87 K in slit pores (AC). <i>Pore Range: 0.65nm-5nm.</i>	Activated carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-1, etc.

Argon adsorption isotherms using pseudo-spherical models at 87 K in cylindrical pores (MMO silica). <i>Pore Range: 0.65nm-5nm.</i>	Siliceous materials such as silica gels, porous glasses, MCM-41, SBA-15, MCM-48, etc.
Nitrogen adsorption isotherms using multi-site models at 77 K in cylindrical pores (AC). <i>Pore Range: 1.1nm-10nm.</i>	Activated carbons, activated carbon fibers, novel micro/mesoporous carbons such as CMK-3, etc.
CO ₂ adsorption isotherms using pseudo-spherical models at 273 K in slit pores (AC). <i>Pore Range: 0.65nm-5nm.</i>	Ultramicroporous activated carbons, activated carbon fibers.
CO ₂ adsorption isotherms using multi-site models at 273 K in slit pores (AC). <i>Pore Range: 0.65nm-5nm.</i>	Ultramicroporous activated carbons, activated carbon fibers.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in CMK-3 nanostructured pores (AC). <i>Pore Range: 1.1nm-6.6nm.</i>	Nanostructured activated carbons with CMK-3 geometry.
Methane adsorption isotherms using pseudo-spherical models at 298 K in CMK-3 nanostructured pores (AC). <i>Pore Range: 1nm-6nm</i>	Nanostructured activated carbons with CMK-3 geometry.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in mixed geometry pores (slit and cylindrical, AC) <i>Pore Range: 0.4nm-2nm (Slit);2.1nm-10nm (Cilíndrico).</i>	Nanostructured activated carbons with CMK-3 or CMK-5 geometry.
Multisite nitrogen adsorption isotherm model at 77K in slit pores and pseudo-spherical nitrogen in cylindrical pores with mixed geometry (AC). <i>Pore Range: 0.65nm-2nm (Slit);2.1nm-10nm (Cilíndrico).</i>	Nanostructured activated carbons with CMK-3 or CMK-5 geometry.
Nitrogen adsorption isotherms using pseudo-spherical models at 77 K in mixed geometry pores (slit and CMK-3, AC) <i>Pore Range: 0.4nm-2nm (Slit);2.2nm-6.6nm (CMK-3).</i>	Nanostructured activated carbons with CMK-3 or CMK-5 geometry.
Multisite nitrogen adsorption isotherm model at 77K in slit pores and pseudo-spherical nitrogen in CMK-3 pores with mixed geometry. (AC). <i>Pore Range: 0.65nm-2nm (Slit);2.2nm-6.6nm (CMK-3).</i>	Nanostructured activated carbons with CMK-3 or CMK-5 geometry.