

		Porometry (extrusion)						Porosimetry (Extrusion)	Porosimetry (Intrusion)		Gas Adsorption		Permeametry				Pycnometry			
		Capillary Flow Porometer	Cyclic Compression/Compression Porometer	Integrity Analyzer	Bubble Point Tester	Filtration Media Analyzer	Complete Filter Cartridge Analyzer	Liquid Extrusion Porosimeter	Mercury/Nonmercury Porosimeter	Aquapore	BET Sorptometer	BET Liquisorb Sorptometer	Liquid Permeameter	Gas Permeameter	Envelope Surface Area Analyzer	Diffusion Permeameter	Water Vapor Transmission Analyzer	Gas Pycnometer	Mercury Pycnometer	
Pore Structure Characteristics	Mean Pore Size	X	X	X		X	X	X	X	X	X	X								Mean Pore Size
	Pore Size Distribution	X	X	X		X	X	X	X	X	X	X								Pore Size Distribution
	Total Pore Volume							X	X	X	X	X								Total Pore Volume
	Bubble Point (Largest Pore)	X	X	X	X	X	X													Bubble Point (Largest Pore)
	Integrity	X		X		X	X													Integrity
	Gas Permeability	X	X	X		X	X							X				X		Gas Permeability
	Liquid Permeability	X	X			X	X	X					X							Liquid Permeability
	Frazier Permeability	X	X			X	X													Frazier Permeability
	Diffusion Permeability															X	X			Diffusion Permeability
	Hydro-Head Test	X				X	X													Hydro-Head Test
	Single Point Surface Area										X	X								Single Point Surface Area
	Multi-Point Surface Area										X	X								Multi-Point Surface Area
	Envelope Surface Area	X	X												X					Envelope Surface Area
	Porosimetry Surface Area							X	X	X										Porosimetry Surface Area
	Adsorption & Desorption Isotherms										X	X								Adsorption & Desorption Isotherms
	Chemisorption										X	X								Chemisorption
	Liquid Vapor Adsorption											X								Liquid Vapor Adsorption
Bulk Density								X										X	Bulk Density	
Absolute Density								X									X		Absolute Density	
Particle Size Distribution								X											Particle Size Distribution	
Operating Conditions	Compression/Cyclic Compression	X	X	X	X	X		X				X	X						Compression/Cyclic Compression	
	Tension	X			X	X						X	X		X				Tension	
	Elevated Temperature	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		Elevated Temperature	
Sample Characteristics	Pore Size Range	0.013 - 500µ						2000 - 0.05µ	0.0035 - 500µ	0.001 - 20µ	20x10 <sup>3</sup> -3Å	N/A	N/A	N/A	N/A	N/A	Down to 2Å	N/A	Pore Size Range	
	Surface Area Range (in m <sup>2</sup> /g)							1-100	1-100	> 0.01	10 <sup>-3</sup> - 50	0.1 - 10	10 <sup>-12</sup> - 10 <sup>-6</sup>					N/A	Surface Area Range (in m <sup>2</sup> /g)	
	Permeability Range (in darcies)	10 <sup>-3</sup> - 50		10 <sup>-3</sup> - 50	N/A	10 <sup>-3</sup> - 50		N/A	N/A	N/A	N/A	N/A	N/A	N/A					N/A	Permeability Range (in darcies)
	Permeability Range (Microflow in cc/sec/m/torr)	10 <sup>-10</sup> - 10 <sup>-6</sup>		N/A	N/A	10 <sup>-10</sup> - 10 <sup>-6</sup>	N/A												N/A	Permeability Range (Microflow in cc/sec/m/torr)
	Dead-End & Through-Pores							X	X	X	X									Dead-End & Through-Pores
	Through-Pores Only	X	X	X	X	X	X	X					X	X	X	X	X			Through-Pores Only
	Special Sample Requirements						Complete Filters		N/A	Hydrophobic	N/A	N/A	No Powders	N/A					N/A	Special Sample Requirements
Features	Nondestructive	X	X	X	X	X	X		X			X	X	X	X	X	X	X	Nondestructive	
	Test Substance	Air or Noncorrosive Gas						Mercury	Water	Any Pure Gas	Water, Hydro-Carbon, Solvents	Air or Noncorrosive Gas				Helium or Noncorrosive Gas	Mercury	Test Substance		
	Automated Control	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Automated Control
Applications	Automotive Industry	X	X	X	X		X	X	X	X	X	X	X					X	Automotive Industry	
	Battery/Fuel Cell Industry	X	X	X	X			X	X	X		X	X	X	X	X	X	X	Battery/Fuel Cell Industry	
	Ceramic Industry	X		X	X		X	X	X	X	X	X	X	X	X			X	Ceramic Industry	
	Chemical Industry	X						X	X	X	X			X	X			X	Chemical Industry	
	Filtration Industry	X	X	X	X	X	X	X		X		X	X			X			Filtration Industry	
	Geotextiles/Textiles Industry	X	X	X	X			X				X	X		X	X			Geotextiles/Textiles Industry	
	Nonwovens Industry	X	X	X	X		X					X	X		X	X	X		Nonwovens Industry	
	Paper Industry	X	X	X	X			X	X	X		X	X	X	X	X			Paper Industry	
Pharmaceutical Industry	X		X	X	X		X	X	X	X			X	X	X	X	X	Pharmaceutical Industry		
Powder Metallurgy Industry	X						X	X	X	X			X	X		X		Powder Metallurgy Industry		