



POROSITY AND PERMEABILITY TESTING ANALYTICAL TESTING SERVICES

(PRICES CURRENT AS OF JANUARY 2024)

At PMI Analytical Testing Services, we are committed to helping you obtain the pore structure information you need. Because there are multiple techniques and instruments, it is critical at the onset to identify the appropriate method of measurement. We begin by discussing your application with you, learn the results you need to obtain, and then recommend a specific test or combination of tests that will provide the most comprehensive results.

While PMI provides you with a detailed report, our application engineers are always available to discuss and help interpret your results.

PMI's Analytical Testing Services Division can accommodate a wide variety of samples, materials, and shapes. Sample size and consistency requirements vary with the test and material to be analyzed. For a large number of samples, special test conditions, or individual assistance, please contact PMI.

We can analyze your samples and return your results to you (hard copy, on a disk, email, fax, or USPS) in as little as 1-2 business days

Porous Materials, Inc. - 20 Dutch Mill Road - Ithaca, NY 14850

USA Toll-Free - US & Canada: 1-800-TALK-PMI

Telephone: (607) 257-5544

Fax: (607) 257-5639

Email: info@pmiapp.com

TESTING PRICES

<u>Mercury Porosimetry</u>		<u>Capillary Flow Porometry (Continued)</u>	
T101 Pore Volume, Pore Size Distribution, & Surface Area	\$290	T509 Microflow Permeability, Pore Distribution, & Bubble Point	\$950
T102 Hysteresis	add \$30	T511 In-Plane Gas Permeability	\$285
T103 Bulk & Absolute Density	add \$70	T512 In-Plane Flow Distribution & Bubble Point	\$390
T104 Particle Size Distribution	add \$85	T513 In-Plane Gas Permeability, Pore Distribution, & Bubble Point	\$495
T105 Compressed Sample Porosimetry	\$325	T514 In-Plane Bubble Point	\$120
<u>Aquaore/ Organopore: (Non-Mercury Porosimeter)</u>		T516 In-Plane Liquid Permeability	\$320
T201 Pore Volume, Pore Size, & Surface Area	\$395	T517 In-Plane Hydro-Head	\$120
T202 Hysteresis	add \$100	T518 In-Plane Filter Integrity	\$220
T203 Compressed Sample Porosimetry	\$550	T521 Hi-Flow Gas Permeability	\$245
<u>Pycnometry</u>		T522 Hi-Flow Gas Distribution & Bubble Point	\$350
T301 Bulk Density (Mercury)	\$120	T523 Hi-Flow Permeability, Pore Distribution, & Bubble Point	\$425
T302 Absolute Density (Helium)	\$150	T524 Hi-Flow Bubble Point	\$160
<u>BET Analysis: Surface Area</u>		T526 Hi-Flow Liquid Permeability	\$340
T401 Single Point Surface Area - Nitrogen	\$115	T527 Hi-Flow Hydro-Head	\$160
T402 Single Point Surface Area - Krypton	\$140	T528 Hi-Flow Filter Integrity	\$165
T403 Multi-Point Surface Area - Nitrogen	\$170		
T404 Multi-Point Surface Area - Krypton	\$200		
<u>Gas Adsorption Analysis: Using Nitrogen</u>		<u>Compression Porometry</u>	
T410 Multi-Point Surface Area, Total Pore Volume & Average Pore Diameter (No Isotherm)	\$275	T601 Gas Permeability	\$245
T411 Complete Adsorption Isotherms (No Data Analysis)	\$330	T602 Pore Distribution & Bubble Point	\$395
T412 Complete Desorption Isotherms (No Data Analysis)	\$325	T603 Gas Permeability, Pore Distribution, & Bubble Point	\$450
T413 Adsorption & Desorption Isotherms (No Data Analysis)	\$520	T604 Bubble Point	\$120
T414 Multi-Point Surface Area, Adsorption & Desorption Isotherms, & Pore Distribution	\$585	T605 Microflow Permeability	\$750
T415 Multi-Point Surface Area, Adsorption Isotherms, & Pore Distribution	\$405	T606 Liquid Permeability	\$295
T416 Multi-Point Surface Area, Desorption Isotherms, & Pore Distribution	\$405	T607 Hydro-Head	\$120
T417 Chemisorption	\$250	T611 In-Plane Gas Permeability	\$320
<u>Gas Adsorption Analysis: Using Gases Other than Nitrogen</u>		T612 In-Plane Pore Distribution & Bubble Point	\$495
T420 Adsorption or Desorption Isotherms	\$470	T613 In-Plane Gas Permeability, Pore Distribution & Bubble Point	\$520
T421 Adsorption & Desorption Isotherms	\$610	T614 In-Plane Bubble Point	\$185
T422 Specific Surface Area with Gases Other than Nitrogen & Krypton	\$215	T615 In-Plane Microflow Permeability	\$750
<u>Aquasorb</u>		T616 In-Plane Liquid Permeability	\$395
T430 Water Vapor Adsorption	\$470	T621 Hi-Flow Gas Permeability	\$370
<u>Capillary Flow Porometry</u>		T622 Hi-Flow Gas Distribution & Bubble Point	\$450
T501 Gas Permeability	\$245	T623 Hi-Flow Permeability, Pore Distribution, & Bubble Point	\$525
T501-F (Frazier)	\$125	T624 Hi-Flow Bubble Point	\$185
T501-C (C-522)	\$195	T625 Hi-Flow Microflow Permeability	\$750
T502 Pore Distribution & Bubble Point	\$295	T626 Hi-Flow Liquid Permeability	\$395
T503 Gas Permeability, Pore Distribution, & Bubble Point	\$345	T627 Hi-Flow Hydro-Head	\$195
T504 Bubble Point	\$120	<u>Diffusion Permeability & Vapor Transmission</u>	
T505 Microflow Permeability	\$750	T701 Diffusion Permeability	\$495

T506 Liquid Permeability	\$245		
T507 Hydro-Head	\$120		
T508 Filter Integrity	\$150		
<u>Envelope Surface Area, Average Particle Size & Average Fiber Diameter</u>		<u>Liquid Porometry</u>	
T801 Envelope Surface Area	\$245	T1102 Pore Size & Pore Distribution	\$495
T802 Envelope Surface Area & Average Particle Size	\$295	T1103 Microflow Liquid Permeability, Pore Size & Pore Distribution	\$650
T803 Envelope Surface Area & Average Fiber Diameter	\$295	<u>Burst Pressure Test</u>	
T804 Average Fiber Diameter	\$245	T1201 Pore Burst Pressure Strength Test	\$150
<u>Liquid Extrusion Porosimetry</u>		<u>Rock Core</u>	
T901 Through Pore Volume & Distribution	\$495	T1301 Pulse Decay Permeability	\$750
T904 Liquid Permeability	\$295		
T905 Pore Volume, Distribution, & Liquid Permeability	\$695		
T907 Effects of Compression on Pore Volume	\$450		

Capillary Flow Porometry:

Bubble Point, Mean Flow Diameter, Pore Distribution, Hydro-Head, Micro Flow Porometry

Liquid Extrusion Porosimetry:

Through Pore Volume & Liquid Permeability

Permeability:

Frazier, Gurley,Rayl, Darcy, Gas Permeability, Liquid Permeability, Diffusion Permeametry

Water Vapor Transmission Rate:

Function of Humidity, Pressure & Temperature.

Mercury & Non-Mercury Intrusion Porosimetry:

Pore Volume, Diameter, Surface Area, Intrusion/ Extrusion, Hydrophobic/ Hydrophilic Pore

Gas Adsorption Techniques:

Surface Area, Pore Volume, T-Curve, Micropore Analysis, Adsorption/ Desorption Isotherms, Chemisorption of Strong Chemicals, Vapor Adsorption

Pycnometry:

Bulk Density, True Density

Effects of Stimulated Services Conditions:

Compressive Stress, Stress Cycles, Temperature, Strong Chemicals

100% Credit is provided for the use of our analytical services toward equipment purchase within 6 months [up to a maximum of 10% of the equipment cost]

TESTING REQUEST FORM



Name: _____

Company: _____

Address: _____

Phone #: _____

Email: _____

Do you want your samples returned? ☐ Yes ☐ No

Would you like a hard copy of data? ☐ Yes ☐ No

P.O. # or CC#: _____

Security Code: _____ Exp. Date: _____

Requested Turnaround Time: _____ (AmEx, Visa, Master, etc.)

☐ 5 business days (+ 20%) ☐ 1-2 Business Days (+ 40%) ☐ 1-2 Weeks

Name on Credit Card: _____

Billing Phone: _____

Billing Address: _____

*** Complete this form & mail with samples to: PMI, Analytical Testing Services, 20 Dutch Mill Rd, Ithaca, NY 14850 ***

Test# Price Quantity

Mercury Porosimetry

- ☐ T101 \$290 _____
- ☐ T102 add \$30 _____
- ☐ T103 add \$70 _____
- ☐ T104 add \$85 _____
- ☐ T105 \$325 _____

Aquapore/ Organopore:

(Nonwetting/ Non-Mercury Porosimetry)

- ☐ T201 \$395 _____
- ☐ T202 add \$100 _____
- ☐ T203 \$550 _____

Pycnometry

- ☐ T301 \$120 _____
- ☐ T302 \$150 _____

BET Analysis: Surface Area

- ☐ T401 \$115 _____
- ☐ T402 \$140 _____
- ☐ T403 \$170 _____
- ☐ T404 \$200 _____

Gas Adsorption Analysis:

Using Nitrogen

- ☐ T410 \$275 _____
- ☐ T411 \$330 _____
- ☐ T412 \$325 _____
- ☐ T413 \$520 _____
- ☐ T414 \$585 _____
- ☐ T415 \$405 _____
- ☐ T416 \$405 _____
- ☐ T417 \$250 _____

Gas Adsorption Analysis:

Using Gases OTHER than Nitrogen

- ☐ T420 \$470 _____
- ☐ T421 \$610 _____
- ☐ T422 \$215 _____

Aquasorb

- ☐ T430 \$470 _____

Capillary Flow Porometry

- ☐ T501 \$245 _____
- ☐ T501-F \$125 _____
- ☐ T501-C \$195 _____
- ☐ T502 \$295 _____
- ☐ T503 \$345 _____
- ☐ T504 \$120 _____
- ☐ T505 \$750 _____
- ☐ T506 \$245 _____

Test# Price Quantity

Capillary Flow Porometry (Continued)

- ☐ T507 \$120 _____
- ☐ T508 \$150 _____
- ☐ T509 \$950 _____
- ☐ T511 \$385 _____
- ☐ T512 \$390 _____
- ☐ T513 \$495 _____
- ☐ T514 \$120 _____
- ☐ T516 \$320 _____
- ☐ T517 \$120 _____
- ☐ T518 \$220 _____
- ☐ T521 \$245 _____
- ☐ T522 \$350 _____
- ☐ T523 \$425 _____
- ☐ T524 \$160 _____
- ☐ T526 \$340 _____
- ☐ T527 \$160 _____
- ☐ T528 \$165 _____
- ☐ T500HT add \$115 _____

Compression Porometry

- ☐ T601 \$245 _____
- ☐ T602 \$395 _____
- ☐ T603 \$450 _____
- ☐ T604 \$120 _____
- ☐ T605 \$750 _____
- ☐ T606 \$295 _____
- ☐ T607 \$120 _____
- ☐ T611 \$320 _____
- ☐ T612 \$495 _____
- ☐ T613 \$520 _____
- ☐ T614 \$185 _____
- ☐ T615 \$750 _____
- ☐ T616 \$395 _____
- ☐ T621 \$370 _____
- ☐ T622 \$450 _____
- ☐ T623 \$525 _____
- ☐ T624 \$185 _____
- ☐ T625 \$750 _____
- ☐ T626 \$395 _____
- ☐ T627 \$195 _____

Test# Price Quantity

Diffusion Permeability & Vapor Transmission

- ☐ T701 \$495 _____

Envelope Surface Area, Average Particle Size & Average Fiber Diameter

- ☐ T801 \$245 _____
- ☐ T802 \$295 _____
- ☐ T803 \$295 _____
- ☐ T804 \$245 _____

Liquid Extrusion Porosimetry

- ☐ T901 \$495 _____
- ☐ T904 \$295 _____
- ☐ T905 \$695 _____
- ☐ T907 \$450 _____

Liquid/ Liquid Porometry

- ☐ T1102 \$495 _____
- ☐ T1103 \$650 _____

Burst Pressure Test

- ☐ T1201 \$150 _____

Rock Core

- ☐ T1301 \$750 _____

Additional Requested Testing Services	Price:	Quantity:
	Description:	

Date Test Finished:	Shipping Conf #:
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OFFICIAL USE ONLY - JANUARY 2024			
Lot#:	Samples Submitted:	Acct:	
Lab:	Shipping Date:	Shipping Method:	
Priority	Next-Day	Email	Fax

Description of Sample(s) & Additional Comments: