Analytical Services

At PMI Analytical Services, we are committed to helping you obtain the 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.

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

Testing Prices

Mercury Porosimetry

T101	Pore Volume, Pore Size Distribution, & Surface Area	$205
T102	Hysteresis	add $25
T103	Bulk & Absolute Density	add $60
T104	Particle Size Distribution	add $35
T105	Particle Size Distribution only	add $75
T106	Compressed Sample Porosimetry	$280

Aquapore/Organopore: (nonwetting/nonmercury porosimetry)

T201	Pore Volume, Pore Size, & Surface Area	$280
T202	Hysteresis	add $60
T203	Compressed Sample Porosimetry	$360

Pycnometry

T301	Bulk Density (Mercury)	$65
T302	Absolute Density (Helium)	$75

BET Analysis: Surface Area

T401	Single Point Surface Area - Nitrogen	$100
T402	Single Point Surface Area - Krypton	$120
T403	Multi-Point Surface Area - Nitrogen	$145
T404	Multi-Point Surface Area - Krypton	$170

Gas Adsorption Analysis: Using Nitrogen

T410	Multi Point Surface Area, Total Pore Volume, and Average Pore Diameter (no isotherm)	$235
T411	Complete Adsorption Isotherms (no data analysis)	$285
T412	Complete Desorption Isotherms (no data analysis)	$285
T413	Adsorption & Desorption Isotherms (no data analysis)	$460
T414	Multi-Point Surface Area, Adsorption & Desorption Isotherms, & Pore Distribution	$520
T415	Multi-Point Surface Area, Adsorption Isotherms, & Pore Distribution	$355
T416	Multi-Point Surface Area, Desorption Isotherms, & Pore Distribution	$355
T417	Chemisorption	$215

Gas Adsorption Analysis: Using Gases OTHER Than Nitrogen

T420	Adsorption or Desorption Isotherm	$415
T421	Adsorption & Desorption Isotherm	$545
T422	Specific Surface Area with Gases Other than Nitrogen & Krypton	$185

Aquasorb

T430	Water Vapor Adsorbtion	$415

Capillary Flow Porometry

T501	Gas Permeability	$105
T502	Pore Distribution & Bubble Point	$195
T503	Gas Permeability, Pore Distribution & Bubble Point	$210
T504	Bubble Point	$75
T505	Microflow Permeability	$170
T506	Liquid Permeability	$135
T507	Hydro-Head	$75
T508	Filter Integrity	$80
T509	Microflow Permeability, Pore Distribution & Bubble Point	$395
T511	In-Plane Gas Permeability	$160
T512	In-Plane Flow Distribution & Bubble Point	$250
T513	In-Plane Gas Permeability, Pore Distribution & Bubble Point	$310
T514	In-Plane Bubble Point	$130
T515	In-Plane Microflow Permeability	$225
T516	In-Plane Liquid Permeability	$190
T517	In-Plane Hydro-Head	$130
T518	In-Plane Filter Integrity	$135
T521	Hi-Flow Gas Permeability	$170
T522	Hi-Flow Gas Distribution & Bubble Point	$260
T523	Hi-Flow Gas Permeability, Pore Distribution & Bubble Point	$320
T524	Hi-Flow Bubble Point	$140
T525	Hi-Flow Microflow Permeability	$235
T526	Hi-Flow Liquid Permeability	$200
T527	Hi-Flow Hydro-Head	$140
T528	Hi-Flow Filter Integrity	$145
T500HT	Elevated Temperature Option (up to 180° C)	add $105

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

Liquid/Liquid Porometry

T1102	Pore Size & Pore Distribution	$295
T1103	Microflow Liquid Permeability, Pore Size, & Pore Distribution	$395

Compression Porometry

T601	Gas Permeability	$160
T602	Pore Distribution & Bubble Point	$280
T603	Gas Permeability, Pore Distribution & Bubble Point	$310
T604	Bubble Point	$105
T605	Microflow Permeability	$230
T606	Liquid Permeability	$215
T607	Hydro-Head	$105
T611	In-Plane Gas Permeability	$215
T612	In-Plane Pore Distribution & Bubble Point	$335
T613	In-Plane Gas Permeability, Pore Distribution & Bubble Point	$365
T614	In-Plane Bubble Point	$160
T615	In-Plane Microflow Permeability	$285
T616	In-Plane Liquid Permeability	$270
T617	In-Plane Hydro-Head	$160
T621	Hi-Flow Gas Permeability	$225
T622	Hi-Flow Pore Distribution & Bubble Point	$345
T623	Hi-Flow Gas Permeability, Pore Distribution & Bubble Point	$375
T624	Hi-Flow Bubble Point	$160
T625	Hi-Flow Microflow Permeability	$295
T626	Hi-Flow Liquid Permeability	$280
T627	Hi-Flow Hydro-Head	$170

Diffusion Permeability & Vapor Transmission

T701	Diffusion Permeability	$280
T702	Diffusion Permeability (High Temperature)	$370
T703	Diffusion Permeability (High Pressure)	$315
T704	Diffusion Permeability using a Mass Spectrometer	add $200
T705	Water Vapor Transmission Rate (Humidity Gradient)	$525
T706	Water Vapor Transmission Rate (Pressure Gradient)	$265
T707	Water Vapor Transmssion Rate (Range of Humidity)	$630
T711	Gas Transmission (Concentrate Gradient)	$495
T712	Gas Transmission with Moisture Gradient	$695
T713	Gas Transmission with Moisture & Temperature Gradient	$995

Envelope Surface Area, Average Particle Size, & Average Fiber Diameter

T801	Envelope Surface Area	$100
T802	Envelope Surface Area & Average Particle Size	$160
T803	Envelope Surface Area & Average Fiber Diameter	$160
T804	Average Fiber Diameter	$100

Liquid Extrusion Porosimetry

T901	Through Pore Volume & Distribution	$265
T902	Hysteresis	add $55
T903	Bulk & Absolute Density	add $60
T904	Liquid Permeability	$135
T905	Pore Volume, Distribution, & Liquid Permeability	$370
T906	Microflow Liquid Permeability	$205
T907	Effects of Compression on Pore Volume	add $105
T908	Elevated Temperature Test (up to 200° C)	add $105
T909	Through Pore Volume & Distribution (Directional, Top to Bottom, Bottom to Top)	$475

Capillary Condensation Flow Porometry

T1001	Pore Size Distribution using Capillary Condensation	$495

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]