

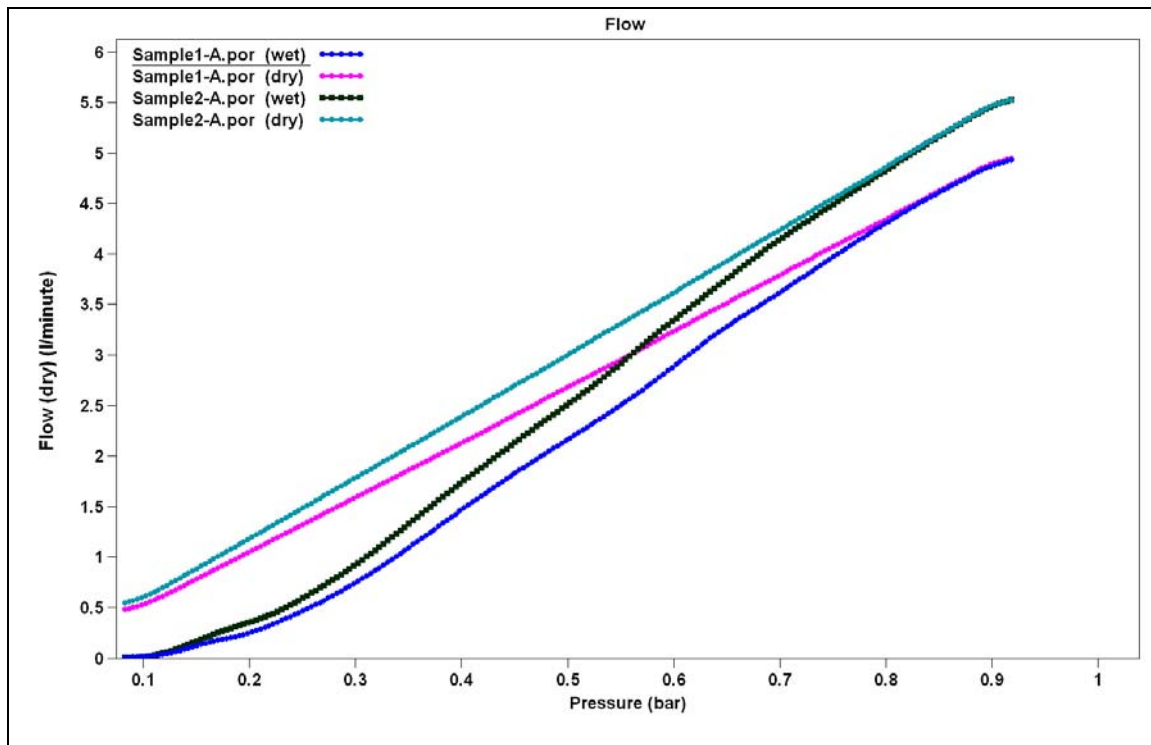
APPLICATION NOTE, APPN-05

Technology: Porometry

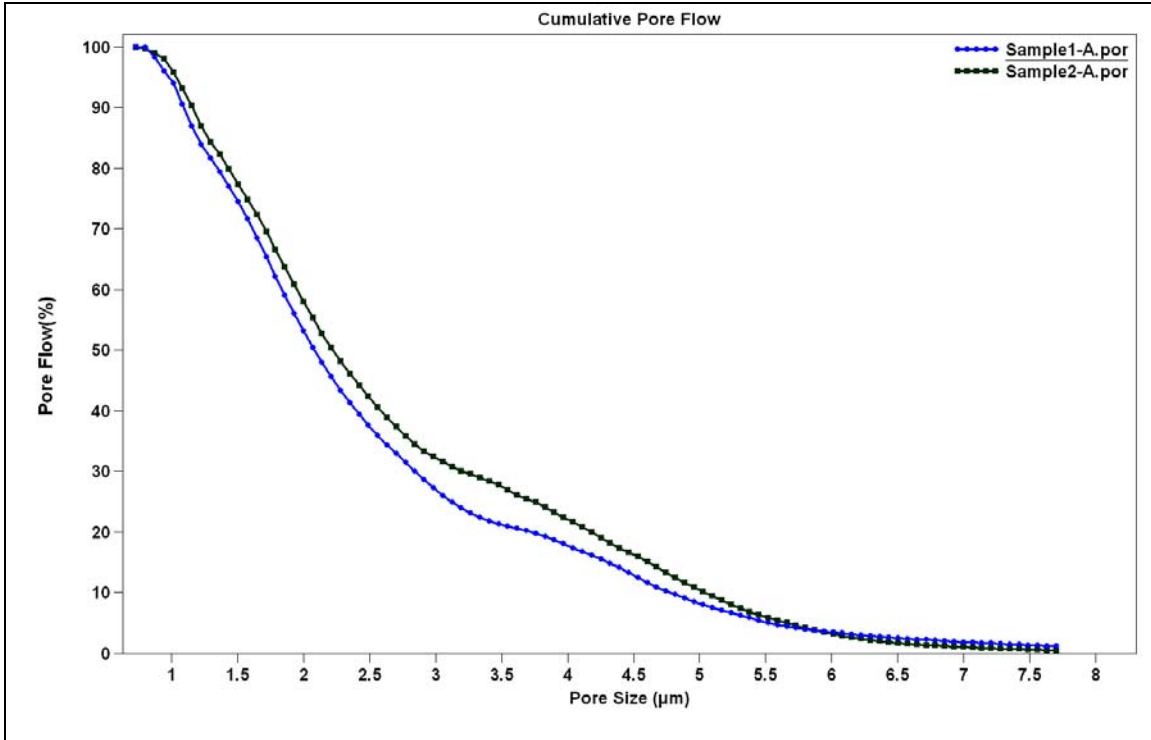
Subject: Pore Size Measurement of Coated Papers

Issue: Revision A

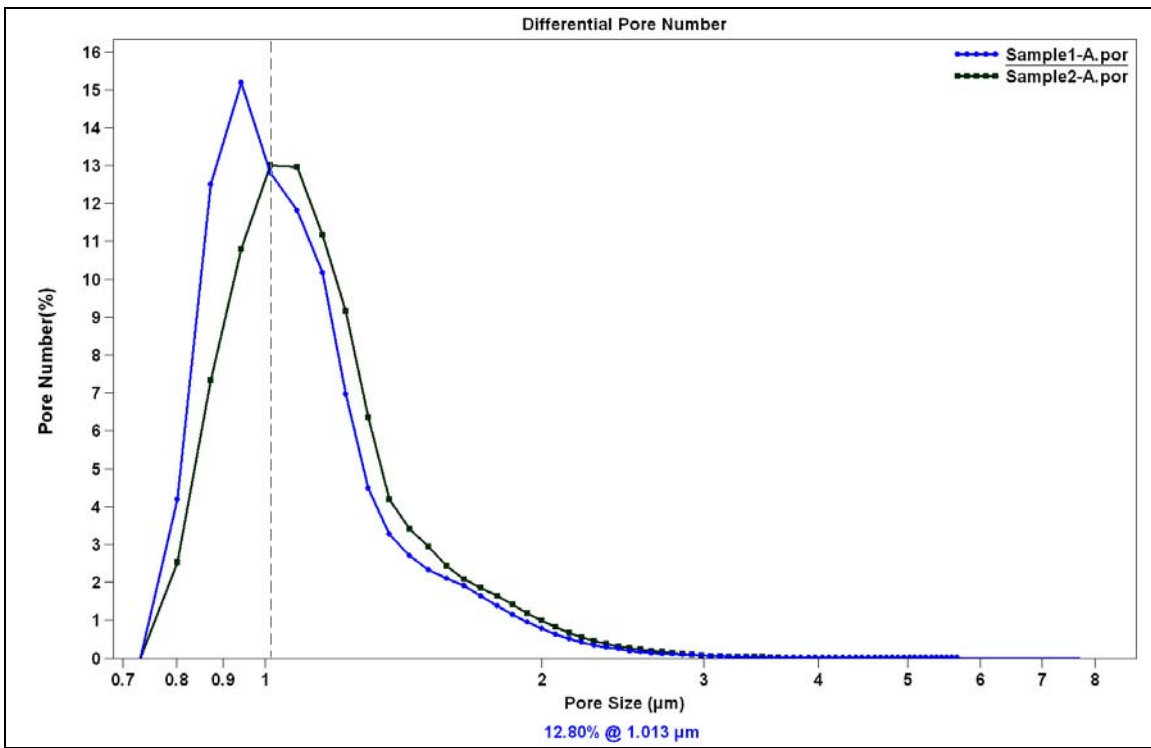
Porometry is the most ideal method for measuring the pore size distribution of sheet materials. Very high-resolution measurements are possible. This application note deals with two coated specialized papers that are very similar. These paper samples do not have particularly small pores and therefore do not require high pressures to analyze them. A maximum pressure of 1 bar was used to find that the pore size distributions were of the order of 1 μm diameter. Porofil wetting fluid was used. Using this fluid, the pore size is calculated from $0.64/\text{pressure (bar)}$. The analysis run time was approximately 10 minutes for each sample. A 25 mm sample diameter was used.



Run Data



Cumulative Flow % Pore Size Distributions



Differential Pore Number % Size Distributions, Log Size Plot