

Measurement of PVC Powder with the Partica LA-960 with PowderJet Dry Feeder

Introduction

Plastic powders are used in a number of applications or as an intermediate stage of a manufacturing process. Particle size can have a significant effect on the final product performance and on process parameters. Because of their hydrophobic nature and solubility in some organic solvents, they are commonly measured as a dry powder.

Analytical Test Method

RI (particle): 1.53-0.00i

Dispersion pressure: High

Note: The non-conductive nature of polymers can cause problems in feeding the material. Use of a leveling plate and roller will even out the feed rate, allowing the correct optical transmittance to be maintained for optimum results.

Example data

Median (µm)				
PVC 1	195	192	191	193
PVC 2	147	147	147	147

Results

This example data shows the excellent repeatability of the LA-960 PowderJet Dry Feeder, once the feeding settings are optimized.