



E A S T E R N I N S T R U M E N T S



CentriFlow®

# Material Test Report

PET Flake



CentriFlow®

Date Tested:	March 22, 2007	Temperature:	Ambient (78°F/25.6°C)
Technician:	Scott Tupper	Particle Size:	Fines up to 3/4"
Test Location:	Eastern Instruments	Flowability:	Average
CFM Model:	6" Type II CentriFlow®	Cohesiveness:	Slight
Meter Capacity:	6.75 ft <sup>3</sup> /min	Density (lb/ft <sup>3</sup> ):	15.75 lbs/ft <sup>3</sup>
Feed System:	Screw Feeder	Inhibit Setting:	0.200 Volts



Test #1	Mass Flow Rate = 5,000 lbs/hr			Percent of Volumetric Capacity = 76%		
Run #	Actual Weight	Metered Weight	Actual/Metered	Delta Weight	% Error	
1	20.16	20.26	0.995	0.10	0.49%	
2	20.46	20.52	0.997	0.06	0.29%	
3	20.68	20.74	0.997	0.06	0.30%	
4	21.02	21.11	0.996	0.09	0.43%	
5	20.64	20.71	0.997	0.07	0.32%	
Average:			0.996			
STD:			0.00086			
% STD:			0.09%			
Additional Comments: Tested using a 6" CentriFlow® Type II Meter equipped with VibraWeigh®. The run time was 15 seconds per batch.						

### Accuracy Statement:

"The CentriFlow® Meter will provide accuracy to within  $\pm 0.50\%$  of reading when operating within  $\pm 10\%$  of the calibrated flow rate, as long as the flow rate is within the operational range of the meter."