

FLOWABILITY TEST RESULTS

Bulk Material 1:	Product
Particle Size:	-8 mesh
Moisture Content:	8.5%

Section 1: Arching and Ratholing Dimensions

Minimum Arching Dimensions

<u>Time at Rest, hrs</u>	<u>Temp., deg. F</u>	<i>Mass Flow</i>		<i>Funnel Flow</i>
		<u>Bc, ft</u>	<u>Bp, ft.</u>	<u>Bf, ft.</u>
0	90	1.0	0.5	0.5
72	90 to room	2.1	1.1	1.0

Rathole Dimensions

<u>Time at Rest, hrs</u>	<u>Temp, deg. F</u>	σ_1 , psf =	88.7	129.7	331.5
		EH, ft =	5	7	16
<i>Critical Rathole Diameters, Df, ft.</i>					
0	90		1.5	1.7	2.7
72	90 to room		3.4	3.5	6.9

Bc = Recommended minimum outlet diameter for a conical hopper.

Bp = Recommended minimum outlet width for a slot in a wedge shaped hopper.

Bf = Minimum width of a rectangular outlet in a funnel flow bin.

σ_1 = Major consolidation pressure.

Df = Critical diameter to prevent ratholing.