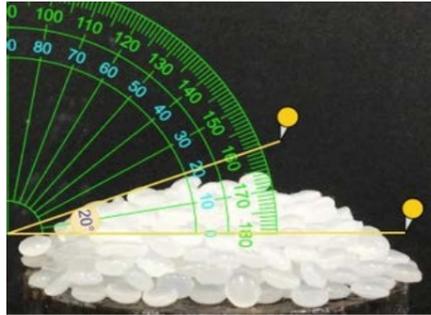


Trial report

Date	21-Sep-21	Weather	Fine	Temperature	17°	Humidity	44%
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Name of Powder	Pellet	Bulk density	0.6
Type of raw material	Pellet	Image	Sprinkle Genre Resin
Details of raw material			
Angle of repose	20°	Cohesiveness	Low
 <p>Fig.1 Angle of repose 20° Bridge measures is unnecessary</p>		 <p>Fig.2 Feature Same size as rice. Crack between screw and case must be wide against lock of screw</p>	

Comments
This pellets are finely sprinkle and non-sticky, it was be able to discharged without using a bridge breaker (Fig.1, Fig.2). We weighed the amount of discharged pellet in multiples of 30second (Table 1). The varying quality of discharged amount was ±2%.

Weighing method	Volumetric	Timer	Unused	Aim value	417g/30sec
Time	Integrated weight(g)	Discharged weight(g)			
0	207.0				
30	626.2	419.2			
60	1045.8	419.6			
90	1465.9	420.1			
120	1882.9	417.0			
150	2300.7	417.8			
180	2719.1	418.4			
210	3136.8	417.7			
240	3554.0	417.2			
270	3970.0	416.0			
300	4390.3	420.3			
330	4807.7	417.4			
360	5227.8	420.1			
390	5642.9	415.1			
420	6061.0	418.1			
450	6475.9	414.9			
480	6891.8	415.9			

Averages : 417.8 g/30sec
Maximun value : 420.3 g/30sec
Minimum value : 414.9 g/30sec
An hour conversion : 50.1kg/hour

Test scene movie
https://youtu.be/cYjBkq4_xD0

Company Profile movie
<https://www.youtube.com/watch?v=1FRYOZq009c>

Table 1 Discharged weight in multiples of 30 seconds

Machine's specification		Appearance
Type of machine	Screw feeder	
Feeder size	φ48.6	
Type of screw	Standard	
Hopper	20L	
Agitator	-	
Special notes		
Ratio of reduction gear: 1/20		
<Method of control> Inverter(keeping 63rpm(42hz)		

Fig.3 Test equipments

Appearance of trial
 <p>Fig.6 Type of screw : Standard</p>
 <p>Fig.4 Discharging scene</p>