

# Conveyor Selection Chart

1= Recommended 2= Suitable 3= Not Recommended

PHASE	Dilute Phase		Semi-Dense Phase		Dense Phase			
	Gravity		Vacuum	Gravity	Vacuum		Gravity	
LOAD	Vacuum Convey	Pressure Convey	Bottom Discharge	Bottom Discharge	Top Discharge	Bottom Discharge	Top Discharge	Bottom Discharge
PRODUCT	Rotary Airlock-Vacuum	Rotary Airlock-Pressure	CB, HC	GF	DPV-T	DPV-B	DPG-T	DPG-B, CycloLok
<b>"Material Characteristic Abrasiveness / Friability"</b>								
Mildly Abrasive	1	1	1	1	1	1	1	1
Moderately Abrasive	2	2	1	1	1	1	1	1
Highly Abrasive	3	3	2	2	2	1	2	1
Cohesive	2	1	1	1	3	2	3	2
Friable	3	3	2	2	2	1	2	1
<b>Particle Size</b>								
Lumps (0.5" - 2.0")	3	2	3	2	3	3	2	2
Pellets/Chips (0.125" - 0.5")	2	2	2	2	3	2	3	1
Granular (4 mesh - 0.125")	2	1	1	1	1	1	1	1
Non-Aeratable Powders	2	1	1	1	1	1	1	1
Aeratable Powders	1	1	1	1	1	1	1	1
<b>Continuous Conveying</b>	1	1	3	3	3	3	3	3
<b>Convey Line Clean Out</b>	1	1	2	1	2	2	2	2
<b>Air Velocity @ Pickup</b>	4,500 fpm	4,000 fpm	1,800 fpm	1,800 fpm	1,100 fpm	900 fpm	1,100 fpm	900 fpm
<b>Air Velocity @ Destination</b>	6,000 fpm	6,000 fpm	4,000 fpm	4,000 fpm	2,000 fpm	1,500 fpm	2,000 fpm	1,500 fpm
<b>Convey Rate (TPH)*</b>								
1 - 50	1	1	1	1	1	1	1	1
51 - 100	3	2	1	1	1	1	1	1
101 - 400+	3	3	3	3	1	2	1	2

\*Guidelines Only