

Titanates for Friction



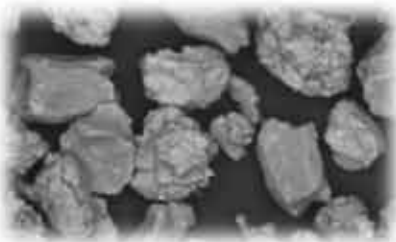
Potassium
Titanate
- FR

PROPERTIES

POTASSIUM TITANATE (FR)

- Non-fibrous morphology
- Thermally resistant
- Wear resistant
- Typical size range (1 μ m-150 μ m)
- Chemically stable
- Typical pH in solution (6-8)
- Also offer Sodium Titanate (FR)

New FiberFree Titanates



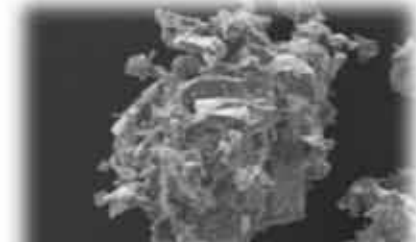
Sodium
Titanate
- FR

Potassium
Magnesium
Titanate
- FR



Lithium
Titanate
- FR

Potassium
Lithium
Titanate
-FR





FRICTION TITANATES: (Fiber-Free) Typical Properties

PROPERTIES	Potassium Titanate FR	Potassium Magnesium Titanate FR	Potassium Lithium Titanate FR	Lithium Titanate FR	Sodium Titanate FR
Shape	Granular	Granular	Granular	Granular	Granular
Size um (%50)**	15	10	23	22	60
pH	8 - 10	9 - 10	9 - 10	9 - 10	10 - 12
Specific Surface Area (m²/g)**	0.6	0.7	0.6	0.6	2.94
Tap Density (g/cm³)	1.95	1.37	2.04	1.64	1.55
Melting Point (°C) *	1200	1250	1250	1250	1250
Moisture Content %	< 0.5 %	< 0.5 %	< 0.5 %	< 0.5 %	< 0.5 %
Mohs Hardness *	~4	~4	~4	~4	~4
Color	Off-White	Off-White	Light Yellow	Off-White	Light Yellow

* Referenced data

** Various particle sizes available