

Binder Pitch

Product Datasheet

Binder pitch is derived from the processing of high-temperature coal tar. It is a black solid material at room temperature and consists of a complex mixture of predominantly aromatic hydrocarbons. It is a binding and impregnating agent for carbon manufacturing in the aluminium and graphite industries. Binder pitch helps impart technical properties and produce top class anode quality. Binder pitch is also used in refractory, foundry chemicals and select pigment manufacturing.

APPLICATIONS

- ◆ Used for the manufacturing of pre-baked and soderberg anodes in the aluminium industry
- ◆ Used in the manufacturing of electrodes in the graphite industry

PERFORMANCE

- ◆ Improved chemical compatibility between carbonaceous aggregate (CPC) and the pitch
- ◆ Produces highly durable and high performance anodes
- ◆ Hassle-free operations in high-capacity electric arc furnaces.

TYPICAL QUALITY PROPERTIES

Property	Unit	Specification	
		Aluminium grade	Graphite grade
Softening point	°C	108 to 111	105 to 111
Quinoline Insoluble Matter	%	7 to 12	10 to 16
Toluene Insoluble Matter	%	28 to 37	26 to 30
Beta resin	%	22 to 38	16 min
Coking value	%	55 min	54 min
Shear Viscosity at 180 °C	Cps	1800 max	300 to 600
Shear Viscosity at 176 °C	Cps		200 to 400
Density	g/cc	1.3 min	1.3 min
Ash Content	%	0.25 max	0.3 max
Flash point (C.O.C)	°C	240 min	240 min
Sulphur Content	%	0.5 max	0.5 max
Moisture content	%	0.5 max	0.5 max

PACKAGING

Packing Type	Quantity
Bulk bags	1000 Kg per bag

PRODUCT FORM AND SAFETY DATA

- ◆ Direct contact can cause irritation and photosensitization (sunburn). This product may be absorbed through the skin in harmful amounts.
- ◆ Dust or vapours of this product can cause irritation in the respiratory tract. This product can affect the central nervous system causing nausea, dizziness and loss of coordination.



Know more about our coal tar derivatives products

TECHNICAL AND SALES CONTACT

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