

## 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	Testing method	Specifications	
			Aluminium grade	Graphite grade
Softening point	°C	ASTM D-3107-87	108 to 111	105 to 111
Quinolene insoluble matter	%	ASTM D-2318-86	6 to 12	10 to 16
Tuloene insoluble matter	%	ASTM D-4312	28 to 37	26 to 30
Beta resin	%	Calculation (QI-TI)	22 to 38	16 min
Coking value	%	ASTM D-2416-84	55 min	54 min
Viscosity at 180 C	Cps	ASTM D-4402	1800 max	300 to 600
Viscosity at 176 C	Cps	ASTM D-4402		200 to 400
Density	g/cc	ASTM D-2320	1.3 min	1.3 min
Ash	%	ASTM D-2415-66	0.25 max	0.3 max
Flash point (C.O.C)	°C	ASTM D-92	240 min	240 min
Sulphur	%	IS-448	0.5 max	0.5 max
Moisture content	%	ASTM D-95-93	0.5 max	0.5 max

### PACKAGING

Packing Type	Quantity
Bulk bags	1000 Kg per bag
Bulk tanker for supply of molten pitch	



Know more about  
our coal tar  
derivatives products

## TECHNICAL AND SALES CONTACT

### HEAD OFFICE

Upadrashta House, 48, Dr. V. B. Gandhi Marg, Fort, Mumbai – 400023 INDIA Contact number: +91-22-22712800



productenquiry@epsiloncarbon.com