

Description

ShaliPitch is a specially processed Coal Tar Pitch, produced from controlled distillation of coal tar. It is an important raw material for the manufacturing process for aluminum and steel in electric arc furnaces. The aluminum industry uses **ShaliPitch** as a binding agent in the production of carbon anodes. Also, **ShaliPitch** serves as a valuable ingredient in production of number of waterproofing, protective and binding compounds in masonry, steel and timber industry including waterproofing concrete structures, decks, as a saturant for roofing felts, flooring mastics, base for anti-corrosive paints, coal briquettes and damp proof courses. **ShaliPitch** conforms to ASTM and IS 216 standards

Characteristics

	Value						
	Soft Pitch	Soft Medium Pitch	Hard Medium Pitch	Hard Pitch	Aluminum Grade Pitch	Graphite Grade Pitch	Other Grades Pitch
Softening Point (R&B), °C	45 – 55	58 – 68	70 – 80	82 – 92	101 – 113	95-110	80-90
Quinoline Insoluble, %	1 – 3	3 – 5	5 – 6	6 – 7	7 – 12	10-16	8 max
Toluene Insoluble, %	25 max	28 max	30 max	35 max	32 – 36	22 min	20 min
Coking Value, %	38 min	40 min	45 min	50 min	56.5-61.0	53 min	45 min
Ash, %, max.	0.50	0.50	0.75	0.80	0.25	0.30	0.30
Moisture, %, max.	Nil				0.50	0.50	Nil
Beta Resin, %,min.	--				20 – 25	20-24	12
Viscosity, cPs, 160 °C, max	--				3000	2000	3000
Specific Gravity, 27 °C, min	1.20-1.30	1.22-1.32	1.28-1.32	1.28-1.38	1.30	1.30	1.28-1.30
Distillate, % by weight, max							
• 0-270 °C	4	4	3	No test	--	--	--
• 0-300 °C	8	8	4	No test	1	--	1

Application

- Binder for anodes in aluminum smelters, and refractory mould.
- Surface filler.
- Motor bushes.
- Protective coatings.

Advantages

- Available in granular, pencil and liquid form.
- Low dust content.
- Easy melting with good flow.
- Low foreign matters and no heavy metal.

Application Methodology

For solid pitch, the material is melted at a temperature 80 °C plus of its softening point. The molten pitch is used for soaking petro coke, ceramics, carbons for fusion and graphitization. For sealing slurry, the pitch is dissolved in solvents and then emulsified.

Health & Safety

- Use goggles and hand gloves and mask during application.
- Use skin cream before handling of solid material.
- Clean hands with warm soap water after application.

Packing

Available in both solid and liquid form. Solid is available in 50 kg HDPE bags and 1 MT Jumbo bag and drum whereas Liquid is supplied in specially designed insulated tankers.

Storage

Solid pitch in bags should be stored in a cool and dry shed. Bags should not be stacked over 5' height.



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+91 81302 81114
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