



Sona Meta Chem

Friction Dust

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FRICITION DUST (Friction Particles) are specialty products used as additives in Manufacturing of Friction Material (Automotive & Industrial) like Brake Linings, Disc Brake Pads, Railway Brake Blocks and Clutch Facings etc to stabilize the Friction level. Cashew Friction Particles is cross linked Phenolic Polymers derived from Cashew Nut Shell Liquid (A Natural Phenol) by using an exclusive process to give the desired Friction properties. These are modified Friction particles, modified by Furfuraldehyde, Boron etc. Although this product can be made as per different classification and parameter (as per the customer's requirement), we are providing our specification of different grades as per general uses: -

STANDARD GRADE: - Cashew polymer modified with aldehyde

SI	GRADES	ACFF 1013	AL 1020 (VBL)	AL 1030 (VBL)
1	APPEARANCE	FREE FLOWING GRANULAR POWDER		
2	CLASSIFICATION	20 MESH	30 MESH	40 MESH
3	SCREEN ANALYSIS			
	+ 850 micron + 20 ASTM + 18 BSS	2.0 max	0.0	--
	+ 600 micron + 30 ASTM + 25 BSS	--	--	0.0
	+ 425 micron + 40 ASTM + 36 BSS	40.0 - 50.0	25.0 max	15.0 max
	+ 250 micron + 60 ASTM + 60 BSS	30.0 – 50.0	30.0 - 70.0	20.0 - 30.0
	+ 150 micron + 100 ASTM + 100 BSS	10.0 - 20.0	70.0 max	20.0 - 30.0
	- 150 micron - 100 ASTM – 100 BSS	15.0 max	30.0 min	50.0 max
4	ACETONE EXTRACT	8.0 max	8.0 max	8.0 max
5	ASH CONTENT	2.0 max	2.0 max	2.0 max
8	MOISTURE CONTENT	1.0 max	1.0 max	1.0 max
9	COLOUR	BLACK	BLACK	BLACK

SPECIAL GRADES: - Cashew polymer modified with Boron.

SI	GRADES	ACB 1013	ACB 1015	AC 1017P
1	APPEARANCE	FREE FLOWING GRANULAR POWDER		
2	CLASSIFICATION	20 MESH	20 MESH	30 MESH
3	SCREEN ANALYSIS		Cumulative	
	+ 850 micron + 20 ASTM + 18 BSS	0.0	--	0.0
	+ 600 micron + 30 ASTM + 25 BSS	--	--	10.0 max
	+ 425 micron + 40 ASTM + 36 BSS	15.0 max	0.0	--
	+ 250 micron + 60 ASTM + 60 BSS	10.0 - 35.0	20.0 - 45.0	30.0 - 50.0
	+ 150 micron + 100 ASTM + 100 BSS	15.0 - 35.0	40.0 – 80.0	--
	- 150 micron - 100 ASTM – 100 BSS	15.0 max	40.0 max	--
	+ 120 micron + 120 ASTM + 120 BSS	--	--	30.0 - 50.0
	- 125 micron - 120 ASTM – 120 BSS	--	--	15.0 – 30.0
3	ACETONE EXTRACT	10.0 max	10.0 max	10.0 max
4	ASH CONTENT	11.0 max	11.0 max	11.0 max
5	COLOUR	LIGHT BROWN	LIGHT BROWN	LIGHT BROWN

NOTE: - These products can be custom made as per customer’s specification or requirement against any parameter. Detailed Technical Data Sheet is available on request for each grade.