



Sona Meta Chem
Cashew Friction Dust

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CASHEW FRICTION 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. Although this product can be made as per different classification and parameter (as per the customer's requirement), we are giving our specification of different grades as per general uses: -

STANDARD GRADE: - Cashew polymer condensed with aldehyde

Sl	GRADES	AL 1020	AC 1035	AL 1040	AL 1080
1	APPEARANCE	FREE FLOWING GRANULAR POWDER			
2	CLASSIFICATION	20 MESH	30 MESH	40 MESH	80 MESH
3	SCREEN ANALYSIS				
	+ 850 micron + 20 ASTM	5.0 max	0.0	0.0	--
	+ 600 micron + 30 ASTM	--	2.0 max	0.0	--
	+ 425 micron + 40 ASTM	40.0 - 50.0	20.0 - 30.0	5.0 max	0.0
	+ 250 micron + 60 ASTM	--	--	--	1.0
	+ 150 micron + 100 ASTM	40.0 - 60.0	35.0 - 65.0	40.0 - 50.0	10.0 max
	- 150 micron - 100 ASTM	15.0 max	40.0 max	45.0 - 60.0	90.0 min
	+ 106 micron + 140 ASTM	--	--	--	--
	+ 75 micron + 200 ASTM	--	--	--	--
	- 75 micron - 200 ASTM	--	--	--	--
4	ACETONE EXTRACT	5.0 max	5.0 max	5.0 max	5.0 max
5	ASH CONTENT	2.0 max	2.0 max	2.0 max	2.0 max
6	VOLATILE LOSS @163°C	3.0 max	3.0 max	3.0 max	3.0 max
7	VOLATILE LOSS @370°C	20.0 max	20.0 max	20.0 max	20.0 max
8	MOISTURE CONTENT	1.0 max	1.0 max	1.0 max	1.0 max
9	COLOUR	BLACK	BROWN	BROWN	BROWN

VARIANTS: -

SI	GRADES	AL 1018 (VBR)	AL 1040 (VBR)	AL 1040 (AM)
1	APPEARANCE	FREE FLOWING GRANULAR POWDER		
2	CLASSIFICATION	20 MESH	20 MESH	30 MESH
3	SCREEN ANALYSIS		Cumulative	
	+ 850 micron + 20 ASTM	2.0 max	0.0	--
	+ 500 micron + 35 ASTM	--	--	--
	+ 600 micron + 30 ASTM	--	--	0.0
	+ 425 micron + 40 ASTM	40.0 - 55.0	25.0 max	15.0 max
	+ 250 micron + 60 ASTM	30.0 - 50.0	30.0 - 70.0	20.0 - 30.0
	+ 150 micron + 100 ASTM	10.0 - 20.0	70.0 max	20.0 - 30.0
	- 150 micron - 100ASTM	15.0 max	30.0 min	50.0 max
	+ 125 micron + 120 ASTM	--	--	--
	- 125 micron - 120 ASTM	--	--	--
3	ACETONE EXTRACT	8.0 max	8.0 max	8.0 max
4	ASH CONTENT	2.0 max	2.0 max	2.0 max
5	MOISTURE CONTENT	1.0 max	1.0 max	1.0 max
6	COLOUR	BLACK	BLACK	BLACK

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.