



J J Packagers (P) Ltd.

Calcium Carbonate Masterbatch
Item: Antifab JJBlend A-Aid

Carrier Resin: Poly Ethylene
Physical Form: Granules

Application: JJBlend A-Aid is developed with ultrafine Calcium Carbonate to provide better mechanical properties to the tape. JJBlend A-Aid is added along with the polymer to prevent the fibrillation of tapes manufactured in Raffia tape line. These granules provide strength to the tapes thus manufactured. JJBlend A-Aid provides opacity to the tape/bag manufactured thus reducing the amount of Masterbatch to be used for the colouring purpose. JJBlend A-Aid can be used with HDPE as well PP.

All the end user processing conditions have been kept mind during development of the product. On hand experience of the blow moulding process was attained before developing the product.

Advantages JJ Blend Antifab

- Loading up to 40% depending on the user requirement
- Uniform particle size thus better mixing
- Higher the coefficient of friction, more the water carriage in tape & more the accumulation of dust particles. **ASTM D1894 & IS2508** standards have been followed & developed Antifab to reduce the coefficient of friction to defeat the water carriage & dust accumulation problem. Due to maintained coefficient of friction tape breakage is reduced in weaving & minimum powder formation in loom section
- Our product provides the best dart impact to the final product .During any free fall, the particles of A-Aid slides on each other and & absorb the shocks
 - Desire strength at every denier sizes
 - Increased output
 - Excellent dispersion with polymer
 - Acts as a cost reducing agent
 - Lesser wastage
 - A-Aid maintains the optimum temperature in feeding zone which facilitate the crushing of material resulting higher strength in final products. If the particles of same size are distributed at equal distance in matrix then dispersion will be best.
 - JJ Blend is developed and processed in such a way that it is most feasible with any polymer used for woven sacks.



An ISO 9001 : 2000 Company

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Technical Specification

S.N.	Grade	M.F.I. (g/10min)(+/-2)	A.S.M.D1238 Moisture Cont. (%) I.S.7086 Part-1	A.S.T.M.D792 Bulk Density g/l)(+/-30)	JJ Standard Opacity (%) (+/-1)	I.S.O.2470 Brightness (%) (+/-1)	A.S.T.M.E313 Whiteness (%) (+/-1)	Yellowness (%) (+/-1) A.ST.MD1925	A.S.T.M.D1894 Coffi. Of Friction(+/-0.5)	Dart Impc STMD1709 ASTMD1709	T. S. (Kg/mm ²)(+/-0.1) A.S.T.M.D638
1	AF-03	4	< 0.20	1200	35.75	84.500	71.57	3.89	0.38	1.20	0.78
2	AF-03N	5	< 0.20	1180	33.42	84.099	75.55	3.89	0.38	1.45	1.10
3	AF-03R	6	< 0.20	1180	33.889	84.270	74.952	3.89	0.38	1.29	1.07
4	AF-03B	6	< 0.20	1160	30.97	86.371	77.135	2.49	0.37	1.34	1.80
5	AF-04	9	< 0.20	1170	33.82	85.037	75.147	3.89	0.38	0.98	1.75
6	AF-04J	9	< 0.20	1170	33.82	85.037	75.147	3.89	0.38	0.98	1.75
7.	AF-08	6	< 0.20	1180	34.75	86.29	76.521	2.79	0.38	1.29	1.07

The Above mention results for optical & mechanical properties are obtained by testing film with 67% loading of A- Aid (50Micron thickness) with LLDPE F-20 S 009(GAIL) .

Usage Guide

Grade	Application
AF-03	PE/PP Bags
AF-03N	Low Denier Fabric
AF-03R	PE/PP Bags High Loading
AF-03B	Low Denier Fabric, Blue Tone
AF-04/AF-04J	FIBC/Jumbo Bags
AF-08	Imparting Blue Tone

Addition level: JJ Blend A-Aid can be added up to 40% during processing of polymer at tape line. The addition level will vary depending on the application of the final fabric/bags and the tape denier.

It is highly recommended that this JJBlend A-Aid should be pre dried in hopper dryer or dehumidifier at 80 degrees C to withdraw possible moisture absorbed by hygroscopic Calcium Carbonate.

Packing: Standard packing of 25 KG Woven Bags



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