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FLOCKS AND WOOD FLOURS

AKROFLOCK™ BLEACHED HARDWOODS

DESCRIPTION:

Akroflock bleached hardwoods are fibrous powders containing no obvious foreign material. They are 100% cellulose composed from various hardwoods.

CHEMICAL AND PHYSICAL PROPERTIES:

	BH-20	BH-40	BH-65	BH-100	BH-200	BH-300
Apparent Density, lb/ft ³	9	12	14	16	18	18
Bulk Density, cc/50gms	200-230	190-220	170-200	140-160	130-150	130-150
Moisture, %	5-7	5-7	5-7	5-7	5-7	5-7
Specific Gravity	1.40	1.40	1.40	1.40	1.40	1.40
Color / Appearance	White to Cream / Fibrous Powder					
Aver. Fiber Length, μ	100	60	50	42	35	30
GE Brightness	> 90	> 90	> 90	> 90	> 90	> 90
pH (10% suspension)	5.0-7.5	5.0-7.5	5.0-7.5	5.0-7.5	5.0-7.5	5.0-7.5
Ash (total), %	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfur, %	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

TYPICAL SCREEN ANALYSIS:

Percent Thru Screen	BH-20	BH-40	BH-65	BH-100	BH-200	BH-300
40 Mesh (450 μ)	92	95	100	100	100	100
100 Mesh (150 μ)	65	70	80	90	90	98
200 Mesh (75 μ)	40	40	45	70	75	85

APPLICATIONS:

Typically, wood flours prevent cut growth, increase tear and modulus in molded rubber goods. They allow air to bleed from the stock which prevents blisters. They will also significantly reduce shrinkage of cured parts. In sponge rubber, wood flours prevent cell wall collapse after cure.

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