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“thick boiling”, “thin-boiling”, , acetylated, hydroxyethyl, cationic, high amylose ,

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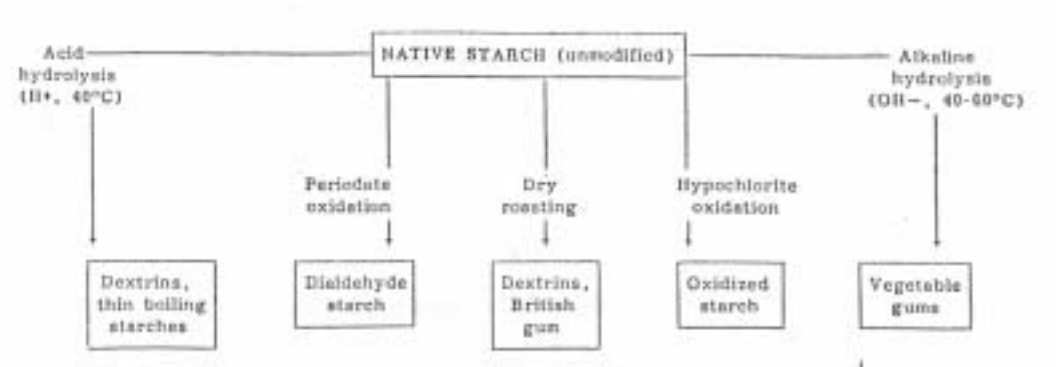
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. Amylose(22-26%) amylopectin(74-78%)

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Amylose

, amylopection



< 1> schematic of starch conversion processes

viscose 가
 amylopectin ester amylose
 maleic anhydride, tertiary amine polyester/
 polyester/rayon 가 triethyl
 amine pH 6.0~6.5 maleic anhydride 2 가 100

1.Style : 3600-4000 ends cotton

Charge : 610-630 liter water

280-320kg corn starch slurry(104-110kg solids)

10-14kg polyethylene-based softener

4-6kg emulsifiable wax

solids = -9.11%

size add-on = 11-13%

2. Style : 3600-3800 ends 50/50 cotton/polyester

Charge : 675-725 liter water

40-50 kg corn starch

28-34kg CMC/PVA blend(60/40 ratio)

1-3 kg emulsifiable wax

solids = 8-10%

size add-on = 10-12%

3. Style : 3600-3800 ends 50/50 cotton/polyester

Charge : 400-420 liter water

90-100 kg corn starch

4-6 kg PVA

3-5 kg emulsifiable wax

1-2 kg bloc wax

0.65-0.95 liter liquid enzyme

solids = 13-15%

size add on = 15-17%

4. Style : 10,000-12,000 ends 50/50 polyster/cotton(sheeting)

Charge : 500-520 liter water

85-95 kg dialdehyde starch

20-24kg CMC/PVA blend(25/75 ratio)

8-10 kg emulsifiable wax

Mix finished to 700-775 liter with water

Solids = 14-16%

size add-on = 17-19%

5. Style : 3300-3500 ends cotton(corduroy)

Charge : 560-580 liter water

110-130 kg starch ester

6-8 kg PVA

5-8 kg emulsifiable wax

Mix finished to 750-800 liter with water

Solids = 13-15%

size add-on = 15-17%