

JOHN E. ALLEN, INC.

JEA 1P20 - PLASTICS

<07/96>

[u-bit #19200355]

<educational film>

(?) in PA: Q-4-G

[sound-narration]

10:00:13 *How Rayon Is Made*
10:00:54 manufacturing of viscose process demonstrated with samples -
solid cellulose, liquid, yarn filaments
10:01:31 men working in factory - sheets of cellulose being soaked in alkaline
solution and then squeezed to remove excess liquids
10:02:06 wet sheets being shredded into crumbs
10:02:35 aged alkaline crumbs being mixed and chemically treated with liquid
and dissolved in alkaline solution to obtain a liquid called viscose
10:03:08 ball being dropped in vile filled with viscose to measure it's viscosity
10:03:18 variation of ingredients creating various shines
10:03:50 viscose being filtered
10:04:01 liquid being spun into yarn with spinneret
10:05:32 yarn being washed
10:05:42 yarn being dried and wound onto spindles, cones etc.
10:06:04 samples of yarn being inspected
10:06:20 packages being examined
10:06:30 hands examining continuous filament yarn and short lengths of staple fibers
10:06:57 staple fiber bales in warehouse
10:07:14 spinning fiber
10:07:23 staple fiber being washed, dried etc.
10:08:21 being packed into bales by machine
10:08:35 comparison of yarn made from staple fiber and continuous filament
10:08:44 samples of cloth made out of rayon
10:09:01 exterior of plant in Pennsylvania where acetate process is used to make rayon
10:09:18 samples of solid cellulose, beaker of liquid, roll of thread
10:09:34 bales of purified cotton being loosened in machines
10:09:49 fiber being turned into a liquid cellulose acetate in kneading machine
10:10:09 liquid being aged in movable storage tanks
10:10:21 water being added to liquid in machines
10:10:32 liquid being poured into beaker of water and solid cellulose acetate is precipitated
10:10:43 cellulose acetate being washed and dried
10:11:04 hand holding small flakes of cellulose acetate
10:11:14 flakes being dissolved in acetone in tanks
10:11:26 samples being taken and analyzed
10:11:53 liquid being forced through high pressure filters
10:12:03 liquid being spun into yarn
10:12:43 filaments being gathered on machine and wound onto spools
10:13:30 loose acetate staple fiber
10:13:40 samples of cloth
-10:14:00 (1952) [Presented by American Viscose Corporation]