

ALIEN PROPERTY CUSTODIAN

PRODUCTION OF SOFT RUBBER-LIKE TUBES, PLATES, RODS ETC. OUT OF POLY-VINYL CHLORIDES

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How to make tubes, plates rods etc. out of polyvinyl chlorides with the addition of softeners, with or without loading, is already known. The softness and elasticity of these tubes etc. can be regulated and extensively changed according to the amount of softener used.

Surprisingly, it has now been found that the degree of elasticity can be considerably heightened when the softener containing tubes, plates, rods etc. are dipped in cresol, phenol or nitrobenzene for a short time.

Example 1

50 parts high polymeric polyvinyl chloride and 50 parts tricresyl phosphate are mixed in a coil and spattered into tubes in a tube-spatter machine at a temperature of 120-150° C. The tubes

are then soaked in nitrobenzene for 12 hours and afterwards washed off in hot water. Through this procedure they become extensively rubber-like.

Example 2

A polyvinyl chloride tube as in Example 1 is soaked in acetone until it becomes soft, dried, and then soaked in nitrobenzene for 1/2 an hour and then washed in hot water for a short time. An altogether rubber-like tube is also gained in this manner.

Example 3

If one proceeds as in Example 2 but soaks the tube in cresol or phenol instead of nitrobenzene one arrives at the same result.

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