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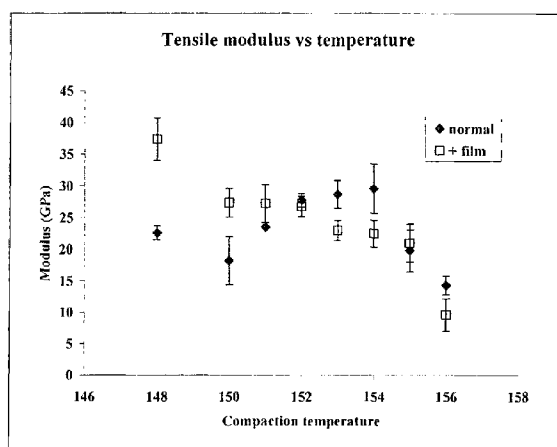
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- (71) Applicant (for all designated States except US): **BTG INTERNATIONAL LIMITED** [GB/GB]; 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **WARD, Ian, MacMillan** [GB/GB]; 2 Creskeld Drive, Kirskill, Bramhope, Leeds LS16 9EL (GB). **HINE, Peter, John** [GB/GB]; 110 Bentley Lane, Meanwood, Leeds LS6 4AJ (GB). **NORRIS, Keith** [GB/GB]; 22 Craven Drive, Silsden, Keighley BD20 0HQ (GB).
- (74) Agent: **BINGHAM, Ian, Mark**; BTD International Limited, 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).
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(54) Title: PROCESS FOR FABRICATING POLYMERIC ARTICLES



(57) Abstract: A process for the production of a polymeric article comprises the steps of: (a) forming a ply having successive layers, namely (ii) a first layer made up of strands of an oriented polymeric material; (ii) a second layer of a polymeric material; (iii) a third layer made up of strands of an oriented polymeric material, wherein the second layer has a lower peak melting temperature than that of the first and third layers; (b) subjecting the ply to conditions of time, temperature and pressure sufficient to melt a proportion of the first layer, to melt the second layer entirely, and to melt a proportion of the third layer; and to compact the ply; and (c) cooling the compacted ply. The resultant articles have good mechanical properties yet may be made at lower compaction temperatures than articles not employing the second layer, leading to a more controllable manufacturing process.



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