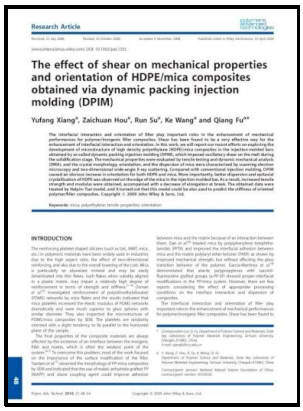
Effect of morphology and microstructural interfaces on the properties of high density polyethylene blow moulded containers

- - 3. Manufacturing: Materials and Processing


Research Article

The effect of shear on mechanical properties and orientation of HDPE/mica composites obtained via dynamic packing injection molding (DPIM)

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INTRODUCTION

Description: -
-effect of morphology and microstructural interfaces on the properties of high density polyethylene blow moulded containers
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Notes: Thesis(Ph.D.) - Loughborough University of Technology 1980.
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Tags: #Surface #layer #morphology #of #the #high #fluence #Fe #implanted #polyethylene

Microstructure, Interface Morphology, and Antioxidant Properties of Sn

The results show that the structure in different building direction shows different morphology. Puncture resistance is measured by pressing a specially shaped probe through a clamped film sample.

Fibrillar polymer

Mechanical properties such as flexural and impact strength showed improvements upon the addition of glass fibers GF in certain compositions.

Cell Structure Evolution and the Crystallization Behavior of Polypropylene/Clay Nanocomposites Foams Blown in Continuous Extrusion

For example, the fibers may be cut to have an average length of about 0. It is desired that the lamination bond strength be high and uniform.

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These coatings are based mostly on high-molecular-weight latex polymers and still contain some organic solvents to help film formation and wetting. Nucleating agents can be added to the PP layers to study the nature of heterogeneous nucleation.

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