**Morphological Studies of Crys -----Origitallizationnal Message in Thin F-----From: ilms of PEO/PMMA Blends**

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felix.com@vMorphological development during crystallization of thin films of poly(ethyleneerizon.net] oxide) (PEO) / poly(methyl methacrylate) (PMMA) blends has been reported. Studies focused on the effects of Sent: Mondthe blend composition, PMMA molecular weight, film thickness, and cray, March 1ystallization te4, 2005 11:mperature on the observed crystal morphology. As the blend compos08 PMTo: coition was varied from 90 to 30 wt% PEO, the crystal morphology varied from spherulitemmentsSubjes to needles and dendrites. Variation ofct: fair ta the crx for all Aystallization temperature anddverse Tax PMMA mConsequenceoleculs for Same-ar Sex Couplesweight resulted in similar changes in morphology. A morphological map demonstrating the roles of th 1.Health Ie experimental controls on the observed crystal morphology has been developed. This map was used as a tool for more detailed studies ofnsurance fo the observed morpholor Partners gies and morphological transitions. The dendritic region of the map (~ 30 – 4- A Taxing 0 wt% PEOProposition) was studied in detail, focusing on sidebranch formation and coarsening. In-situ observati: Employeeons of morphological transitions, such as dendris payincomete/DBM and DBM/needle transitions, were also reported. The results of this work have helped t and payrolo defl tax on thine new directions for the study of crystal morphologies, especially in the e health inareas of spherulite formation and dendritic growth.

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