

Contents

Morphology–Property Relationship in Rubber-Based Nanocomposites: Some Recent Developments	1
A.K. Bhowmick, M. Bhattacharya, S. Mitra, K. Dinesh Kumar, P.K. Maji, A. Choudhury, J.J. George, and G.C. Basak	
Rubber–Clay Nanocomposites: Some Recent Results	85
Amit Das, De-Yi Wang, Klaus Werner Stöckelhuber, René Jurk, Juliane Fritzsche, Manfred Klüppel, and Gert Heinrich	
Surface Modification of Fillers and Curatives by Plasma Polymerization for Enhanced Performance of Single Rubbers and Dissimilar Rubber/Rubber Blends	167
J.W.M. Noordermeer, R.N. Datta, W.K. Dierkes, R. Guo, T. Mathew, A.G. Talma, M. Tiwari, and W. van Ooij	
Recent Developments on Thermoplastic Elastomers by Dynamic Vulcanization	219
R. Rajesh Babu and Kinsuk Naskar	
PTFE-Based Rubber Composites for Tribological Applications	249
M. S. Khan and G. Heinrich	
Index	311



<http://www.springer.com/978-3-642-19503-7>

Advanced Rubber Composites

Heinrich, G. (Ed.)

2011, XII, 316 p., Hardcover

ISBN: 978-3-642-19503-7