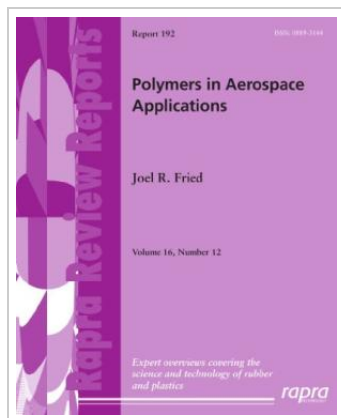




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Polymers in Aerospace Applications

By Joel R Fried

Ismithers Rapra Publishing, United Kingdom, 2010. Paperback. Book Condition: New. 260 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.This review report gives an overview of how polymers are used in aerospace applications. Topics covered include: Composites, including thermosets, thermoplastics and nanocomposites. Fibre reinforcement of the composites and the specialised applications are covered. For each type of composite, the chemistry, cure methods, fabrication methods, mechanical properties, thermal properties and environmental degradation are considered. Applications include: sealants, structural adhesives, foams, primer paint, shape memory alloys, electroactive devices, MEMS, vibration damping, NLO properties and ablative polymers.

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