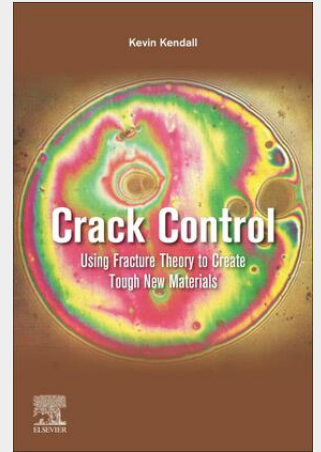


Kendall

Crack Control: Using Fracture Theory to Create Tough New Materials

Crack Control: Using Fracture Theory to Create Tough New Materials goes beyond just trying to understand the origin of cracks and fracture in materials by also providing readers with the knowledge and techniques required to stop cracks at the nano- and micro-levels, covering the fundamentals of crack propagation, prevention, and healing. The book starts by providing a concise foundational overview of cracks and fracture mechanics, then looks at real-life ways that new tougher materials have been developed via crack inhibition. Topics such as crack equilibrium, stress criterion, and stress equations are then outlined, as are methods for inventing new crack-resistant materials. The importance of crack healing is emphasized and cracks that grow under tension, bending, compression, crazing, and adhesion are discussed at length as well



138,50 €

129,44 € (zzgl. MwSt.)

vorbestellbar, Erscheinungstermin ca.
Oktober 2020

Artikelnummer: 9780128215043

Medium: Buch

ISBN: 978-0-12-821504-3

Verlag: ELSEVIER

Erscheinungstermin: 21.10.2020

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2020

Produktform: Kartoniert

Gewicht: 560 g

Seiten: 308

Format (B x H): 152 x 229 mm

