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Nota di contenuto	Phenolic Based Foams: State of the Art, New Challenges and Opportunities -- Introduction on Foam Manufacture -- Materials and Chemistry of Phenolic Foams -- Hybrid Composite Foam: Effect of Hybrid Fillers on the Mechanical Properties of Phenolic Foams -- Toughened Phenolic Foams -- Phenolic Syntactic Foams: Low-density Composites for Structural and Thermostructural Applications.
Sommario/riassunto	This book covers the latest developments in phenolic foams and their applications. Compared with polystyrene and polyurethane foams, phenolic foams are known as third-generation polymeric foams. Phenolic foams exhibit excellent fire-retardant properties, including low flammability, low peak heat release rate, no dripping during combustion, and low toxicity. This book discusses various aspects of phenolic foams including properties, synthesis, fabrication methodologies, and applications. The contents also cover the methods

for toughening of phenolic foams to make them more widely applicable. This book is of interest to both academics and industry alike. It is also a useful reference for fire safety regulators and policy-makers looking for new materials and methods for sustainable fire protection.