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Plastic Films in Europe and the Rest of the World (Paperback)

By Françoise Pardos

Smithers Rapra Technology, United Kingdom, 2004. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Flexible films are defined as being planar forms of plastics, which may be thick enough to be self-supporting but thin enough to be flexed, folded and/or creased without cracking. Films comprise around 25 per cent of all plastics used worldwide, around 40 million tons, and are thus a massive market sector. Commodity plastics dominate, with polyethylene and polypropylene together accounting for around 34 million tons. This is an expanding area with increased demand each year particularly in the developing regions of the world and with a move from rigid to flexible packaging. There are many material types used in films from single layer polymers to multilayer structures with tie layers and copolymers. Multilayers permit custom adaptation of material properties from barrier to strength. Technology, such as the orientation of polypropylene, has produced better properties and more valuable materials. High performance plastics are also being used in applications such as electronics. There are details of the main suppliers including mergers and capacity. coextrusion, casting, extrusion coating, extrusion laminating and metallising. Blown extrusion was the first process used to make films of polyethylene....



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