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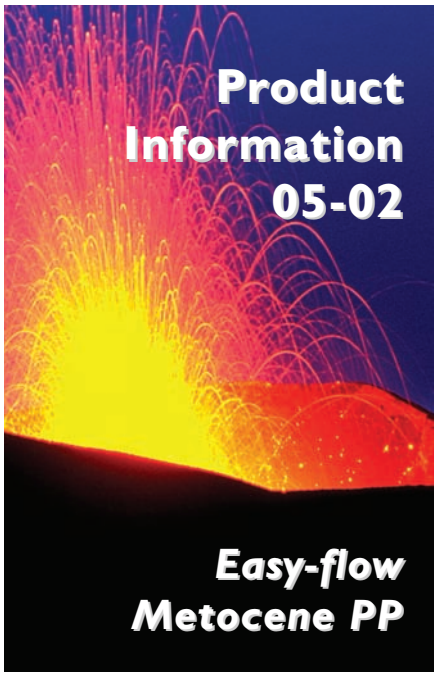
EUROPEAN POLYMER DISTRIBUTION



Easy-flow Metocene polypropylenes for completely transparent, thin-walled packaging containers

basell
Polyolefins

New Basell developments are the completely transparent, highly rigid and extraordinarily flee-flowing Metocene polypropylenes. Based on metallocene catalyst technology, these polypropylenes are also distinguished by their very negligible warpage and their negligible stress-whitening tendencies. In conjunction with their good organoleptic properties and their light inherent colour, which does not detract from the natural colours of the contents, these properties make Metocene polypropylenes the ideal material for the injection moulding of transparent, rigid containers for the packaging, transport and storage of foodstuffs. Consequently, the new Metocene polypropylenes are very economical processing alternatives to polystyrene and polycarbonate, these materials having frequently been used for such applications hitherto.

The new, highly transparent, extremely rigid and extraordinarily free-flowing Metocene polypropylenes from Basell are one of the recent additions to the product portfolio of Ultrapolymers. Their main fields of application include the injection moulding of thin-walled food packaging containers.

Four new Metocene polypropylene grades are currently available for customers' trials:

- A Metocene Clyrell PP grade combines high flowability (MFI value = 70 g/10 min) with high tensile rigidity (1,100 Mpa), good low-temperature impact strength and very high transparency. It is thus particularly suitable for thin-walled food packagings, and also for toys and leisure articles.
- Another Metocene Clyrell PP grade, likewise having a high MFI value of 70 g/10 min, but with the emphasis on increased flexibility (modulus of elasticity in tension = 570 Mpa) with high impact resistance and even better transparency, offers an optimum combination of properties for such products as container lids or flexible packagings.
- Even more rigid (modulus of elasticity in tension = 1,400 MPa) and more freely flowing (MFI value = 140 g/10 min) is a new, highly transparent Metocene random copolymer polypropylene for the injection moulding of all kinds of thin-walled containers which, in spite of their negligible wall thicknesses, have to be stacked in very high piles.
- A new homopolymer grade offers the current maximum in rigidity (modulus of elasticity in tension = 1,900 MPa) and flowability MFI value = 140 g/10 min) in conjunction with the typical high transparency of Metocene for injection moulding applications. It is thus particularly suitable for packagings which not only have a high flow length/wall thickness ratio but must also meet high rigidity requirements. Typical examples of application are highly transparent drinking beakers which for transport reasons have to be particularly light in weight.

Clyrell is a trademark of Basell