

## Glass-clear *Metocene* polypropylenes



**■** Polypropylene can now be as clear as glass. This breakthrough is evidenced by product samples made from special new *Metocene* PP grades



*The transparency of Basell's new Metocene PP grades attains the level of glass. Photo and product: Rotho Kunststoff AG, Switzerland*

by Basell which comprise a new clarifier additive. As a result, this multipurpose material class now lends itself to a host of new applications from which it was previously barred due to its "milky" appearance.

### **75 % less haze**

In trials Ultrapolymers has measured haze levels of as little as 2 %. In other words, the haziness of these injection moulded specimens was 75 % improved over what used to be the maximum achievable with PP to date. Especially to makers of packaging expected to convey high value and freshness, the new high-transparency *Metocene* PP grades open up entirely new opportunities for combining outstanding optical and mechanical properties. Translucent tints in particular show a hitherto unachievable brilliance.

### **In competition with PS, ABS and PC**

Basell's *Metocene* PP grades merge general characteristics such as high purity with broadly adjustable combinations of properties such as high flow,

stiffness and impact strength even at low temperatures – all in addition to food safety approval, low specific weight, and high cost efficiency. Brand manufacturers have been relying on these benefits on a broad scale in substituting traditional materials. With the glass-like transparency now achieved, PP enters into even more direct competition with the previous standards, i.e., polystyrene, SAN and polycarbonate. Typical applications include injection-moulded thin-walled packaging, e.g., for high-value confectionery or cosmetic products, food storage containers, data media packaging, retail displays, newspaper stands, etc.

At Ultrapolymers, application engineers stand ready to share the experience gathered in the company's R&D center and to develop new applications for Basell's glass-clear *Metocene* PP grades in joint enterprise with interested users.

*Metocene is a Basell trademark.*