

Moplen HP2674 and Moplen HP2774

Finer, cleaner, faster – Raising the bar in melt blown and compounding applications

LyondellBasell has launched two new grades based on the latest generation of *Avant* ZN non-Phthalate catalyst. *Moplen* HP2674 and *Moplen* HP2774 are two high-fluidity grades that are successfully used by customers for compounding applications and for the production of a wide range of melt blown non-wovens.

Both products are setting new references in terms of processability and performance. Customer trials have shown that the very narrow molecular weight distribution (MWD) of both products allows filament diameter to be reduced by 20% compared with standard grades. The finer filaments that result deliver a markedly improved barrier performance as well as soft-touch characteristics that add value to sanitary products.

The use of the latest generation of non-phthalate catalyst opens the door for a range of applications that require the purest of polypropylene grades.

Masterbatch flexibility

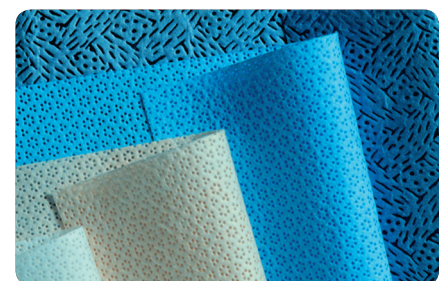
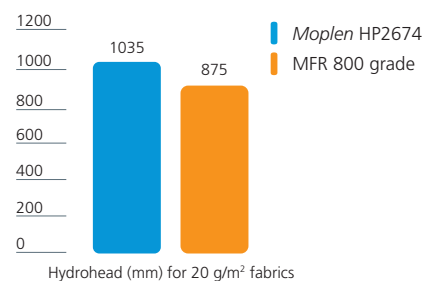
High processing temperatures, in fact, limit the kind of masterbatch solutions that can be used with conventional melt blown resins because of the dangers of heat degradation of their components. In particular, they preclude the use of organic pigments as coloring agents.

The lower processing temperatures made possible by the new resins now allow a far wider range of masterbatch agents to be used – including organic pigments – enabling converters to benefit from their superior dispersion properties.



Resin Properties

Properties	Method	Moplen HP2674	Moplen HP2774
Morphology	–	Pellets	Pellets
MFR (g/10min)	ISO 1133	800	1200
MWD	–	very narrow	very narrow



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