

Silver

Infini Bottle Takes Lightweighting to a Whole New Level

Nampak Plastics, United Kingdom; Contributor: Velocity, USA

Plastic bottles had typically been lightweighted by simply using less material. However, there is a limit to how thin the bottle walls can be while maintaining bottle strength. Nampak Plastics has developed Infini which is an innovative and lightweight range of high density polyethylene (HDPE) milk bottles, with over 500 million sold into the UK dairy industry. It has resulted in the world's lightest 4pint (2.27L) 32 gram bottle, which contains up to 20% less material and up to 30% recycled HDPE. Nampak is the leading supplier of HDPE bottles to the dairy & juice industries and, based on Infini being the bottle of choice, it can save the UK milk packaging industry 30,000 tons of resin per annum, and could further reduce carbon footprint up to 30% with recycled HDPE. Infini will also be manufactured under license for the Australian & New Zealand markets in 2014, and discussions are in progress with licensing partners in US/European/Asian/African markets for liquid dairy and non-dairy bottle packaging applications.

Won for Responsible Packaging