



INEOS O&P Europe, your partner in rotomoulding

INEOS O&P Europe, an historical supplier in the rotomoulding market

The rotational moulding is a real opportunity for the production of items with capacity from 0.2l up to 80.000l. The main attribute associated to a good compromise of mechanical properties, is the attractive production cost.

Polyethylene has become the material of choice for the rotomoulding industry. The usual applications where rotomoulded pieces are successfully used are:

- Truck and tractor fuel tanks
- Inspection chambers
- Various tanks (water, agricultural, domestic fuel)
- Toys, playground toys and furniture
- Boats, canoes, kayaks
- All small series of pieces

The main features of these PE rotomoulded articles include:

- High impact strength and Environmental Stress Crack Resistance
- Good visual and aesthetic aspect
- Good surface finish
- Low waste
- Design flexibility

INEOS O&P Europe PE fulfills all your requirements for Rotomoulding market

INEOS O&P Europe, key supplier of the rotomoulding industry since 1975 has developed a high-quality and world-class polyethylene for rotomoulding, building on the heritage of BP and Solvay in this key application. Our product range is characterized by a highly consistent quality.

In 2001, INEOS O&P Europe launched its new generation of PE resins for rotomoulding based onto hexene copolymerization. The result of the combination of the proprietary process and this comonomer allowed to significantly enhancing the mechanical properties and environmental stress cracking resistance compromise. The processing has also been improved thanks to an adapted fluidity (MI).

In 2008, INEOS O&P Europe launched the Eltex® brand for its rotomoulding resins. Eltex® is the brand name for high performance resins produced by INEOS O&P Europe.



Offering much more than a product, Offering you solutions !

INEOS O & P Europe

Eltex[®] grades for rotomoulding applications

Eltex[®] HDPE resins produced at our gas phase plant of Grangemouth (near Edinburgh, Scotland), offer a global solution to the rotomoulding market, and are available in natural colour pellet or ready-to-use powder form at our partner and distributor ICO Polymers. contact: europesales@icopolymers.com 



- Very good mould release
- No deformation, no warpage on finished parts
- Excellent impact strength and stress crack resistance
- Outstanding surface aspect
- Processing consistency is guaranteed; our resins are subject to stringent production controls, including pellet bulk density, melt index, density, additive level.

Eltex [®]	MFR (190°C, 2.16kg) (g/10min)	Density (kg/m ³)	Colour	TYPICAL APPLICATION
TEST METHOD	ISO 1133	ISO 1872		
HD3850UA	4.5	938	Natural	Good property balance: water tanks, recycling banks, fuel tanks
HD3930UA	3.0	939	Natural	Various tank application
HD4330UA	3.0	943	Natural	Applications requiring very high stiffness and creep resistance : water tanks, fuel tanks, inspection chamber, underground parts, kayaks...

You can also find additional information regarding onto our products by having a look at our website :

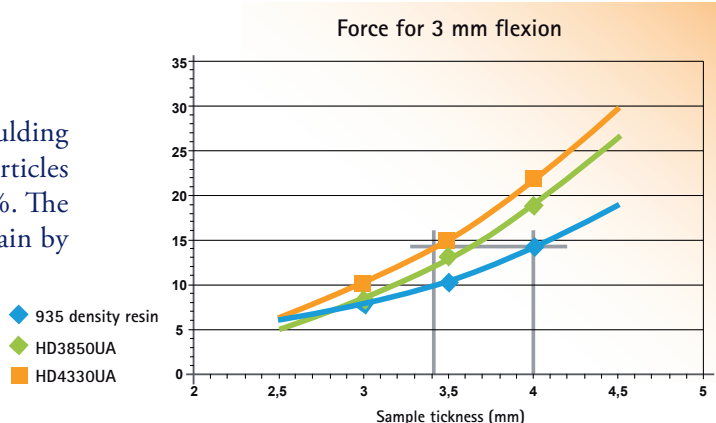
www.ineospolyolefins.com

Solutions to customers

The rotomoulding market is changing and growing rapidly. We are working in partnership with our distributor ICO and our customers to continuously improve the performance of our resins to follow the requirements of this market. We have extensive Research and Development facilities and are actively engaged in new development projects.

Specific grade for light weighting

Eltex[®] HD4330UA shows the highest density of all rotomoulding grades in Europe (943 kg/m³) and allows to produce stiffer articles or to decrease the thickness of the finished PE piece up to 15%. The following graph is explaining the potential gains you can obtain by using this grade.



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