

# Solutions ...

## thermoplastics for non food packaging

May 2009

**On-target products.  
On-time delivery.**

**Service you  
can count on**



### Our company

INEOS Olefins and Polymers, one of the world's largest polyolefin producers, provides our customers with quality products and services from facilities that meet the highest Health, Safety, Security and Environmental (HSSE) standards. We are challenging ourselves to change the way our industry does business, and we are unleashing the potential of our people to provide our customers on-target products, on-time delivery and service you can count on.

### Our products

Our industry leading polymers are transformed into a wide variety of articles, including food and drink containers, caps and closures, film, pipe and a variety of other applications.

### Thermoplastics for non food packaging

INEOS Olefins and Polymers produces a comprehensive line of polyethylene and polypropylene products for non food packaging applications. Our custom engineered resins are featured in innovative packages used by the leading companies in the personal care and cleaning products markets. Developed in collaboration with leading packagers, our polyethylene and polypropylene grades feature excellent processability while retaining properties important to packagers such as high rigidity, enhanced impact strength, superior chemical resistance, low cycle times, good light weighting possibilities, high clarity and excellent organoleptics.



**Contact a representative at INEOS Olefins and Polymers to discuss the product that best fits your application.**

**INEOS**  
**Olefins & Polymers USA**

# Product offerings

Polyethylene				
Material	MI <sup>1</sup>	Density <sup>2</sup>	Izod (RT) <sup>3</sup>	Features / special characteristics
B50-35H-011	0.35	0.951	3.5	This high density polyethylene copolymer is specially designed for blow molding packaging applications which require a combination of good top load strength and excellent environmental stress crack resistance (ESCR). An antistated version of this grade is available as B50-35H-176.
B53-35H-011	0.35	0.955	3.5	This high density polyethylene copolymer features a good balance of environmental stress crack resistance (ESCR) and top load strength. An antistated version of this grade is available as B54-25H-127.
B53-35H-100	0.33	0.955	3.5	This high density polyethylene copolymer is specially designed for injection blow molding (IBM) applications and contains a mold release additive. It is recommended for use in applications such as pharmaceutical and personal care bottles.
HP50-25-153	0.22	0.951	3.2	This high density polyethylene copolymer is designed for continuous extrusion blow molding equipment and features exceptional environmental stress crack resistance. It is recommended for the toughest packaging applications

Polypropylene				
Material	MFI <sup>4</sup>	Flex Mod <sup>5</sup>	Izod (RT) <sup>3</sup>	Features / special characteristics
R01A-00	1.9	131	1.5	This antistated polypropylene copolymer, designed for extrusion blow molding, is produced using unique catalyst technology and features good stiffness and excellent cycle times.
R01C-00	1.9	145	9	This high clarity polypropylene copolymer features an excellent balance between hot fill properties and cold temperature impact properties. It can be used to produce both injection and extrusion blow molded containers and bottles.
R01C-01	1.9	145	8-10	Clarified polypropylene copolymer with excellent haze-top load and drop impact and low plateout performance
R05C-00	5	150	0.8	This antistated, clarified polypropylene copolymer is designed for use as an outside layer for applications that require a high gloss finish.

<sup>1</sup> g/10 min ASTM D 1238 (190/2.16)

<sup>2</sup> g/cc

<sup>3</sup> ft-lbf/in

<sup>4</sup> g/10 min ASTM D 1238 (230/2.16)

<sup>5</sup> kpsi ASTM D 638 (1% secant, 0.05 in/min)

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