

Solutions ... Thermoformed Products

March 2007

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

**Service you
can count on.**

Our company

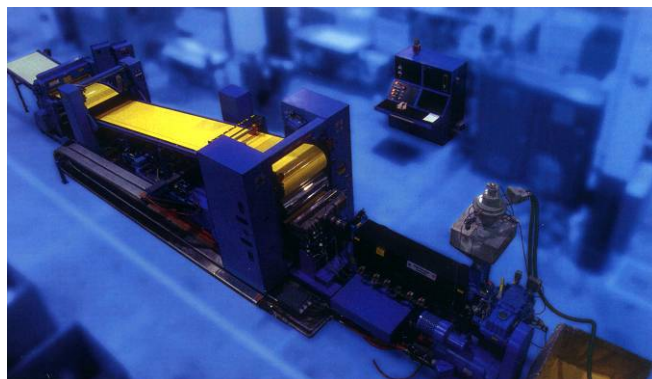
INEOS Olefins & Polymers USA, one of the world's largest polyolefin producers, provides customers with quality products and services from facilities that meet the highest Health, Safety, Security and Environmental (HSSE) standards. We are challenging ourselves to change the way our industry does business,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



Our products

INEOS Olefins & Polymers produces a full range of polyethylene and polypropylene resins for thermoforming applications. Our industry leading polymers are transformed into a wide

variety of thermoformed articles, including food and drink containers, medical, pharmaceutical and personal care packaging, truck bed liners and a variety of other applications.



Thermoplastics for thermoforming

Developed in collaboration with leading packagers, our polyethylene grades feature excellent processability while retaining properties important to packagers such as high rigidity, enhanced impact strength and superior chemical resistance; our polypropylene grades feature low cycle times, an excellent balance of stiffness and impact properties, high clarity and excellent organoleptic characteristics.



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

INEOS
Olefins & Polymers USA

Product offerings

Polyethylene				
Material	MI ¹	Density ²	Features / special characteristics	
G50-100	10*	0.950	High molecular weight resin optimized for sheet extrusion and thermoforming.	
G60-25-144	0.25	0.962	This homopolymer is typically used for the production of thin wall containers that require good rigidity.	
Polypropylene				
Material	MFI ³	Flex Mod ⁴	Izod ⁵	Features / special characteristics
H02C-00	2.2	240	0.6	This homopolymer is designed for extrusion, thermoforming, applications that require good see-through clarity combined with good heat resistance
H02C-01	2.2	237	0.6	This homopolymer is designed for thermoforming applications which require high clarity, stiffness and good heat resistance.
H01G-00	1.2	230	0.9	Homopolymer designed for fiber, tape, and consumer applications.
H02G-00	2.8	175	1.0	This general purpose homopolymer resin is used for the production of thin wall, deep draw containers.
H02G-02	2.0	194		This homopolymer is designed for extrusion and film.
N00M-00	0.5	195**	NB	This high impact copolymer is used for thermoforming applications which offer a superior balance of stiffness and impact strength.
N01N-00	1.9	265**	NB	This high stiffness, impact copolymer is specially designed for freezer-to-microwave performance.
N02G-00	2.5	195**	NB	This high impact copolymer grade is specifically suited for sheet extrusion and thermoforming. It offers a superior balance of stiffness and impact energy.
N02J-00	1.9	235**	NB	This high impact copolymer is intended for the production of thermoformed articles where freezer to microwave performance is required.
R01C-00	2	145	9.8	This random copolymer is designed for thermoforming applications that require good see through clarity combined with good heat resistance and refrigerator impact.
R01C-01	2	130	8 - 10	This random copolymer is designed for thermoforming applications that require good see-through clarity combined with good heat resistance and refrigerator impact.

*Indicates HLMI (MI 190/21.6) measurement

¹ g/10 min ASTM D 1238 (190/2.16)

³ g/10 min ASTM D 1238 (230/2.16)

⁵ ft-lb/in ASTM D256 (Room Temperature)

**kpsi ASTM D 790 (1% secant, 0.5 in/min)

² g/cc

⁴ kpsi ASTM D 790 (1% secant, 0.05 in/min)

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