

Solutions ...

Thermoplastics for Piping Applications

February 2009

On-target products.
On-time delivery.

Service you
can count on.



Our company

INEOS Olefins & Polymers, 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.

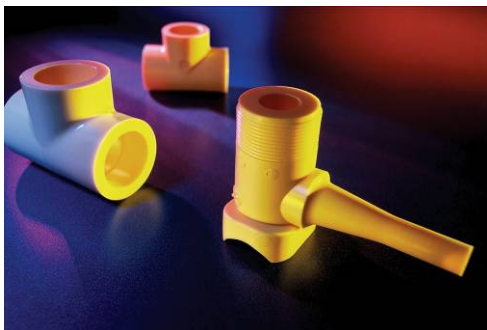


Our products

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 pipe applications

INEOS Olefins & Polymers produces a full range of polyethylene thermoplastics to cover all aspects of piping applications. Backed by our product quality and consistency, technical knowledge and excellent service, our resins are used globally by leading producers to manufacture pressure pipe and fittings for the natural gas, water and municipal/industrial piping industry, telecommunication conduit, corrugated pipe, drip irrigation tubing and crosslinked polyethylene (PEX) piping. Our polyethylene resins feature exceptional processability and exhibit the superior performance properties needed to meet or exceed the industry standard, end-user standard and third party certification standard requirements.



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
A4040	3.50	0.947	Base resin in silane grafted compound for PEX pipe
CP52-35	0.35	0.952	Designed to meet AASHTO M 294/MP7 specs for corrugated pipe
K38-20-160	0.20	0.943	Yellow PE 2708 (formerly PE 2406) for natural gas distribution piping
K38-20-188	0.20	0.940	Natural UV stabilized for blending with approved yellow concentrate G38-20C-N for natural gas distribution piping
K44-06-122	6.50*	0.944	Natural PE 3608 (formerly PE 3408) for large diameter pressure piping when blended with an approved black concentrate
K44-08-122	8.75*	0.944	Natural PE 3608 (formerly PE 3408) for large diameter pressure piping when blended with an approved black concentrate
K44-15-122	12.5*	0.944	Natural PE 3608 (formerly PE 3408) for smaller diameter pressure piping when blended with an approved black concentrate
K44-24-122	30.0*	0.944	Natural HDPE designed to meet CSA Z245-21 for pipe coating
TC46-25	0.30	0.948	Natural HDPE designed to meet ASTM F 2160, UL 651B and NEMA TC-7 for telecommunications conduit
TUB 121N	8.0*	0.948	Natural PE 4710 bimodal resin for high performance piping
TUB 121	8.0*	0.959	Black PE 4710 and PE 100 for higher performance pressure piping and fittings
T50-500-171	6.50	0.953	Base resin in silane grafted compound for PEX pipe

*Indicates HLMI (MI 190/21.6) measurement

¹ g/10 min ASTM D 1238 (190/2.16)

² g/cc

Polypropylene				
Material	MFI ³	Flex Mod ⁴	Izod ⁵	Features/special characteristics
N00M-00	0.5	195	No Break	Medium heat ageing high impact copolymer suitable for the production of pipe and tubing.
N05U-00	5.0	190	No Break	Nucleated impact copolymer designed to meet Bellcore GR-20-CORE for fiber optic buffer tube applications.

³ g/10 min ASTM D 1238 (MI 230/2.16)

⁴ kpsi as determined by ASTM D 790B

⁵ ft-lb/in at 23 C as determined by ASTM D 256

For material designation of pressure pipe materials according to standards ISO 9080 and ISO 12162, please contact our Technical Center.

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