

Ineos K44-08-122 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

K44-08-122 is a natural high density polyethylene copolymer designed specifically for extrusion of potable water, industrial, and mining pipe. It is recognized by the Plastic Pipe Institute as having a pipe material designation code of PE 3608 (formerly PE 3408), NSF Standard 14 certification, and complies with ANSI/NSF Standard 61 health effects requirements. A pressure rated formulation is also produced when this product is extruded in combination with an approved black masterbatch. The resulting formulation known as K44-08-123 has NSF Standard 14 certification and complies with ANSI/NSF Standard 61 health effects requirements, is certified to CSA Standard B137.1-05 and B137.4-05, and is also listed with the Plastic Pipe Institute as a PE 3608 (formerly PE 3408).

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-K44-08-122-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in ³	ASTM D4883 (Natural)
Environmental Stress Crack Resistance	>= 5000 hour	>= 5000 hour	Condition C; ASTM D1693
High Load Melt Index	8.75 g/10 min	8.75 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	>= 100 hour	>= 100 hour	Notch Tensile; ASTM F1473
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	31.0 MPa	4500 psi	2 in/min. ASTM D638
Tensile Strength, Yield	22.8 MPa	3310 psi	2 in/min.; ASTM D638
Elongation at Break	>= 800 %	>= 800 %	2 in/min.; ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	2% Secant-Method 1; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256
Hydrostatic Design Basis	6.89 MPa	1000 psi	at 60 ^o C; ASTM D2837
	11.0 MPa	1600 psi	ASTM D2837

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 ^o C	259 ^o F	ASTM D1525
Brittleness Temperature	<= -118 ^o C	<= -180 ^o F	ASTM D 746

Descriptive Properties	Value	Comments
Process	Pipe Extrusion	
Region	US & Canada	Bamberger Polymers Distribution

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China