

## Ineos K44-08-123 HDPE Copolymer with Carbon Black

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Carbon Black Filled

### Material Notes:

Fortiflex® K44-08-123 is a black high density polyethylene copolymer designed specifically for extrusion of potable water, industrial, and mining pipe. It has NSF certification and is recognized by the Plastic Pipe Institute as having a PE 3408 rating. The natural version of this resin is available as Fortiflex® K44-08-122.2.3% Carbon Black Concentration

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-K44-08-123-HDPE-Copolymer-with-Carbon-Black.php](http://www.lookpolymers.com/polymer_ineos-K44-08-123-HDPE-Copolymer-with-Carbon-Black.php)

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D4883
Environmental Stress Crack Resistance	>= 5000 hour	>= 5000 hour	Condition C; ASTM D 1693
Melt Flow	8.5 g/10 min @Load 2.16 kg, Temperature 190 °C	8.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D638
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.810 GPa	117 ksi	2% Secant-Method 1; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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