

## Ineos K44-11-128 HDPE

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

### Material Notes:

Ineos K44-11-128 is a high molecular weight, high density polyethylene copolymer intended for large part blow molding where the finished product demands good physical performance and low color. This material combines excellent processability and environmental stress crack resistance (ESCR) with well-balanced end use properties. This resin meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-K44-11-128-HDPE.php](http://www.lookpolymers.com/polymer_ineos-K44-11-128-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D4883
High Load Melt Index	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	23.8 MPa	3450 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	850 %	850 %	2 in/min (50 mm/min); ASTM D638
Flexural Modulus	0.579 GPa	84.0 ksi	ASTM D747
	0.841 GPa	122 ksi	2% Secant-Method 1; ASTM D790
Izod Impact, Notched	4.70 J/cm	8.81 ft-lb/in	Partial break; ASTM D256
Tensile Impact Strength	710 kJ/m <sup>2</sup>	338 ft-lb/in <sup>2</sup>	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.0 Â°C	153 Â°F	ASTM D648
Vicat Softening Point	129 Â°C	264 Â°F	ASTM D1525
Brittleness Temperature	<= -75.0 Â°C	<= -103 Â°F	ASTM D746

Descriptive Properties	Value	Comments
Process	Blow Molding	
Region	US & Canada	Bamberger Polymers Distribution

## **Contact Songhan Plastic Technology Co.,Ltd.**

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