

## Ineos TUB 121N HDPE

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

### Material Notes:

TUB121N is a natural high density bimodal polyethylene copolymer designed for extrusion of potable water, natural gas, industrial, and mining pipe. When blended with an approved black concentrate, the resulting TUB 121 formulation has NSF Standard 14 certification and complies with ANSI/NSF Standard 61 health effects requirements. TUB 121 is recognized by the Plastic Pipe Institute as having a pipe material designation code of PE 4710 and PE 100.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-TUB-121N-HDPE.php](http://www.lookpolymers.com/polymer_ineos-TUB-121N-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.9485 g/cc	0.03427 lb/in <sup>3</sup>	ASTM D4883
Environmental Stress Crack Resistance	>= 5000 hour	>= 5000 hour	Condition C; ASTM D1693
High Load Melt Index	8.5 g/10 min @Load 21.6 kg, Temperature 190 Â°C	8.5 g/10 min @Load 47.6 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	>= 10000 hour	>= 10000 hour	Notched Tensile; ASTM F1473
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	37.9 MPa	5500 psi	2 in/min; ASTM D638
Tensile Strength, Yield	24.99 MPa	3625 psi	2 in/min; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in/min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	2% Secant-Method 1; ASTM D790
Izod Impact, Notched	4.81 J/cm	9.00 ft-lb/in	ASTM D256
Hydrostatic Design Basis	6.89 MPa	1000 psi	at 60Â°C; ASTM D2837
	11.0 MPa @Temperature 23.0 Â°C	1600 psi @Temperature 73.4 Â°F	ASTM D2837

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 Â°C	259 Â°F	ASTM D1525
Brittleness Temperature	<= -118 Â°C	<= -180 Â°F	ASTM D746

Thermal Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
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Cell Classification	445574A	
Process	Pipe Extrusion	
Region	US & Canada	Bamberger Polymers Distribution

## Contact Songhan Plastic Technology Co.,Ltd.

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