

## Total Lacqtene® 2004 TN 52 HDPE pipe (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

### Material Notes:

LACQTENE® 2004 TN 52 is a high density polyethylene produced by the gas phase polymerization process with hexene as comonomer.

LACQTENE® 2004 TN 52 is best processed between 190 and 230°C. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Lacqtene-2004-TN-52-HDPE-pipe-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Lacqtene-2004-TN-52-HDPE-pipe-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ISO 1183
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	1.1 g/10 min	1.1 g/10 min	ISO 1133
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	23 g/10 min	23 g/10 min	ISO 1133
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ISO 868
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2
Elongation at Break	>= 700 %	>= 700 %	ISO 527-2
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Impact Strength	230 kJ/m <sup>2</sup>	109 ft-lb/in <sup>2</sup>	Notched, 23°C; ISO 8256

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ISO 3146
Vicat Softening Point	126 °C	259 °F	ISO 306

Descriptive Properties	Value	Comments
Food Status	This material conforms to both European and American Food contact regulations.	

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