

Total Lacqtene® 2005 TN 59 HDPE pipe (discontinued **)

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

Material Notes:

LACQTENE® 2005 TN 59 is a high density polyethylene produced by the gas phase polymerization process with hexene as comonomer.

LACQTENE® 2005 TN 59 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-2005-TN-59-HDPE-pipe-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	ISO 1183
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	1.4 g/10 min	1.4 g/10 min	ISO 1133
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	28 g/10 min	28 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	28.0 MPa	4060 psi	ISO 527-2
Elongation at Break	>= 700 %	>= 700 %	ISO 527-2
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Impact Strength	230 kJ/m ²	109 ft-lb/in ²	Notched, 23°C; ISO 8256

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	ISO 3146
Vicat Softening Point	130 °C	266 °F	ISO 306

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

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