

Total Lacqtene® 2003 PBK 41 HDPE pipe, sheet (discontinued **)

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

Material Notes:

LACQTENE® 2003 PBK 41 is a high density polyethylene produced by the gas phase polymerization process with hexene as comonomer. LACQTENE® 2003 PBK 41 is a black compound especially developed for irrigation pipe. LACQTENE® 2003 PBK 41 may be used geomembranes. 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-2003-PBK-41-HDPE-pipe-sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Oxidative Induction Time (OIT)	>= 20 min	>= 20 min	200°C; EN 728
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	0.75 g/10 min	0.75 g/10 min	ISO 1133
	@Load 5.00 kg	@Load 11.0 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ISO 868
Tensile Strength, Yield	19.0 MPa	2760 psi	ISO 527-2
Elongation at Break	>= 600 %	>= 600 %	ISO 527-2
Flexural Modulus	0.750 GPa	109 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	

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	261 °F	ISO 3146
Vicat Softening Point	118 °C	244 °F	ISO 306

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

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