



# LACQTENE® 2006 TN 35

**Medium Density Polyethylene**  
Pipe coating application

## **DESCRIPTION >>**

LACQTENE® 2006 TN 35 is a medium density polyethylene produced by the gas phase polymerization process with hexene as comonomer.

LACQTENE® 2006 TN 35 may be used for micro-irrigation pipe, corrugated cable duct and pipe coating.

LACQTENE® 2006 TN 35 is characterized by a good creep resistance and stress crack resistance.

## **CHARACTERISTICS >>**

Property	Method	Unit	Value
Density	ISO 1183	g/cm <sup>3</sup>	0.936
Melt Index	ISO 1133	g/10min	
2.16 kg			0.7
5 kg			2.7

## **PROCESSING >>**

LACQTENE® 2006 TN 35 is best processed between 190 and 230°C.

## **PROPERTIES >>**

Property	Method	Unit	Value
Oxidation induction time at 200°C	ISO 728	min	> 20
Vicat temperature 1 kg	ISO 306	°C	114
Melting point	ISO 3146	°C	126
Stress cracking resistance	ASTM D 19693/B	h	> 1000
Tensile Strength at yield	ISO 527-2	MPa	18
Elongation at Break	ISO 527-2	%	>600
Flexural Modulus	ISO 178	MPa	650
Izod impact strength at 23°C	ISO 180	kJ/m <sup>2</sup>	12
Hardness shore D	ISO 868		
1s			60
15s			57

## **FOOD STATUS >>**

The composition of LACQTENE® 2006 TN 35 conforms to both European and American Food contact regulations.

### **ATOFINA**

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Last updated: 31/01/2002

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