



# SABIC® HDPE P5307N

HIGH DENSITY POLYETHYLENE FOR PIPE

## DESCRIPTION

HDPE P5307N is a multimodal high density polyethylene Natural grade specially developed for non-pressure pipe applications. The material offers high stiffness, good processability and excellent combination of stiffness/ESCR.

## TYPICAL APPLICATIONS

P5307N is a natural specially designed for non-pressure pipe Applications. The grade is food contact approved.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 190°C & 21.6 kg load	8.0	g/10 min	ISO 1133
Density at 23°C	952	kg/m <sup>3</sup>	ASTM D1505
FNCT (3.5 MPa, 2 % igepal BC/9, 80°C)	>40	Hrs	ISO 16770
MECHANICAL PROPERTIES			
Tensile modulus	1250	MPa	ASTM D638
Tensile Stress at Yield	27	MPa	ISO 527-1/-2
Tensile Strain at Yield	10	%	ISO 527-1/-2
Tensile Impact Strength at -30°C (Notched)	90	kJ/m <sup>2</sup>	ISO 8256
Hardness (Shore D)	62	-	ASTM D2240