



Despriet Gebroeders NV

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TECHNICAL DATA SHEET

PPPE - Code 99 / PRODUCT NAME

Black / PRIMARY COLORS

PPPE / MAIN POLYMER

Analysis method: for MFI measures, DSC analysis and mechanical properties, the regrind material is first processed on a laboratory twin screw extruder NOT equipped with filters. Although some variations might still be expected, the mentioned values are therefore a more accurate representation of the final specifications. The physical properties of the extruded material are basically assessed from filaments produced on our laboratory extruder

PHYSICO-CHEMICAL PROPERTIES

Average particle size	mm	4 - 12 mm
Melt index @190 °C, 2,16kg	g / 10 min	2,6
Melt index @190 °C, 5kg	g / 10 min	
Melt index @230 °C, 2,16kg	g / 10 min	7
Regrind color - Main		Black
Regrind color - Spot		Dark grey

THERMAL PROPERTIES

Melting point(s) (Tm)	130° (PE) and 167°C (PP)
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SENSORY CHARACTERISTICS

Odor	None
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PURITY

Other polymer(s)	PP (70%) and PE (30%)
Other fractions (s)	No other polymer

PHYSICAL PROPERTIES AFTER EXTRUSION

Filament color	Black
Filament surface	Smooth
Filament mechanical	Excellent

MECHANICAL PROPERTIES

Izod (kJ/m ²)	24,3
Flex modulus (MPa)	1034
Tensile modulus (MPa)	1032
Tensile strength (MPa)	21,3
Stress at yield (MPa)	21,3
Strain at yield (%)	9
Strain at break (%)	70-90
Stress at break (MPa)	17
Ash content (%)	4
Density (g/cm ³)	0,955



Regrind



Processed on Twin Screw Extruder