

Technical Data

IFA Drill Pipe C1

Characteristics	IFA PRODUCT CODE: C1
Construction	Outer Layer: HDPE Extruded
Material	HDPE (Polyethylene)

Properties	IFA PRODUCT CODE: C1
	110 mm
Outer Diameter duct	110 mm
Inner Diameter duct	96mm
Wall Thickness	6.5mm-7.0mm
Ovality	< 5%
Pressure Rating	PN 10 / SDR 17
Colour	Black
Printing	Yellow 1000mm intervals
Chemical Resistance	Petrol, Diesel, Acetone, Ingepol
Weight	2200 g/m

Handling & Storage	
Storage Temperature	-20% °C to +60 °C
Installation Temperature	+15°C to +40°C
Packaging	50m Coils

Material Properties	Values	Test Method
Melt Index (190°C/2.16kg)	0.30g/10 min to 0.40g/10 minutes	ASTM D1238
Density	0.941 - 0.954g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50°C/hr	125- 127°C	ASTM D1525
Melting Point	133°C	ASTM D2117
Tensile Strength at Yield Point	320kg/m ³	ASTM D638
Tensile Strength at Break Point	400kg/m ³	ASTM D638
Elongation at Break	1000%	ASTM D638
Stiffness	10,000kg/m ²	ASTM D747
Flexural Modulus	14,000kg/m ²	ASTM D790
Notched Izod Impact Strength	15kg.cm/cm - Partial Break	ASTM D256
Durometer Hardness	65 Shore D	ASTM D2240
ESCR (Condition B, 25% Igepal)	400hrs, F50	ASTM D1693