

**ZACK PLAS**

PIPE EXTRUSION &amp; INJECTION MOULDING

## PRODUCT TECHNICAL DATA

Product: 16/13mm	Bundle: 1 way	Micro Duct – Direct burial
Product supply: 1000m	Type: reel / drum	Wall thickness: 1.5
Inner diameter: 13mm	Outer diameter: 16mm	

Characteristics	
Construction	Outer layer: HDPE Inner layer: Silicone
Material	HDPE (Polyethylene)

Properties	
Ovality	<5%
Pressure Rating	12 bar for 5 minutes
Coefficient of Friction	<0.1
Ball Testing	80% of inside diameter, ball passes freely
Chemical Resistance	Petrol, Diesel, Acetone, Ingepol
Colour	RAL Codes
Kink Test	Passes
Bending Radii	10 x outside diameter

Handling & Storage	
Storage Temperature	-20 °C to +60 °C
Installation Temperature	+15 °C to +40 °C
UV Resistance Period	1-year outdoor storage
Installation	As per SABS 1200LB

Material Properties	Values	Test Method
Melt Index (190°C/2.16kg)	0.40g/10 minutes	ASTM D1238
Density	0.941 - 0.957g/m <sup>3</sup>	ASTM D1505
Vicat Softening Point @ 10 N, 50°C/hr	125°C	ASTM D1525
Melting Point	133°C	ASTM D2117
Tensile Strength at Yield Point	320kg/m <sup>3</sup>	ASTM D638
Tensile Strength at Break Point	400kg/m <sup>3</sup>	ASTM D638
Elongation at Break	1000%	ASTM D638
Stiffness	10,000kg/m <sup>2</sup>	ASTM D747
Flexural Modulus	14,000kg/m <sup>2</sup>	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



One-way  
(Profile System)

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