

**ZACK PLAS**

PIPE EXTRUSION & INJECTION MOULDING

PRODUCT TECHNICAL DATA

Product: 40/34mm	Bundle: 1 way	Sub-duct – Direct burial
Product supply: 500m	Type: coiled	Wall thickness: 3mm
Inner diameter: 34mm	Outer diameter: 40mm	

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	20 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 ³	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 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% Ingepol)	400hrs, F50	ASTM D1693



One-way
(Profile System)

ZACK PLAS - Pipe extrusion & injection mouldingHead Office: 5 Marconi Crescent, Montague Gardens, 7441, Cape Town | Tel: +27(0) 82 450 0997 (Joop Robbertse) | E-mail: info@zackplas.co.za

This document is protected by copyright © Zack Plas 2019. The product information and images depicted in this document are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited. Zack Plas will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers. For the latest product specifications please visit our website - www.zackplas.co.za