

TECHNICAL DATA SHEET

PMA OXC - JFBD - Over-extruded Conduit

Very flexible, medium-duty

PMA



Very flexible, smooth overextruded conduit. Suitable for clean and hygienic environments.







Applications:

- For dynamic or static applications in the food & beverage
- For general applications with high cleaning requirements

Features & Benefits:

- · Smooth outer layer
- For easy cleaning
- High resistance to continous bending stresses
- Good flexibility in combination with high strength
- · High resistance to abrasion
- High resistance to chemicals and cleaning agents
- · Corrosion free
- For food zone non contact application areas

Materials:

- Conduit: High-grade, specially formulated polyamide 12
- · Overextrusion: modified polyamide elastomer

Compatible with:

• PMA JENQ, JKNH JKBH fittings

Conforms to:

- FDA 21 CFR / EU 10/2011 compliant outer layer material
- ECOLAB requirements
- NSF14159-1; NSF169 (application areas splash zone)
- UL Recognition according to UL 1696 (file E80294)

Weathering resistance:

• Very good UV resistance and weathering characteristics

Colour:

- · Corrugated conduit: blue
- · Overextrusion: blue, translucent

Chemical properties:

- · Please refer to www.pma.ch
- (Technical Information / F&B Products: Cleaning and Chemical Properties)

Environmental properties:

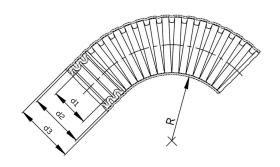
- · Free from halogens and cadmium
- RoHS and REACH compliant

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mın.								max.
Ductility							l 	
Fatigue reversed	bending							
Compression resistance								
Low temperature performance								
Weathering resistance								

Product selection:									
Part no.	Cond	luit size	Dimensions in mm (nom.)					Weight	Packing unit
blue	NW	metric	d1	d2	d3	stat. R	dyn. R.	kg/100 m	metre
JFBDT-12C01	12	16	12.0	15.6	16.0	40	100	4.5	50
JFBDG-17C01	17	20	15.7	21.1	21.5	55	125	7.4	50
JFBDG-23C01	23	25	21.8	28.4	28.7	75	170	11.4	50
JFBDG-29C01	29	32	27.6	34.5	34.9	90	210	15.0	50
JFBDG-36C01	36	40	36.3	42.4	43.0	110	260	18.6	30
JFBDG-48C01	48	50	47.3	54.5	54.8	140	330	27.2	30

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Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength	> 10.5 J	(+23°C)	PMA DO 9.21-4330
	> 12.2 J	(–18°C)	CSA C22.2 Nr. 227.3 / UL 1696
	> 7.5 J	(-40°C)	PMA DO 9.21-4330
Compression strength	> 250 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 450 N	(100 x 100 mm)	
Reverse bending resistance	> 1'000'000 cycles		PMA DO 9.21-4420
	> 3'000'000 cycles		PMA DO 9.21-4425
Pull-out resistance			
PMA OXC (JENQ)	> 230 N		PMA DO 9.21-4610
PMAFIX Pro (JKNH/JKBH)	> 230 N		PMA DO 9.21-4610

Note: Testing at 23°C, 50% r.h., conduit nominal width 17, unless otherwise stated

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	−20 +95°C		PMA DO 9.21-4510
Short-term	+120°C	(168 h)	PMA DO 9.21-4360
Application temperature range	–18 +90°C		UL 1696/CSA 22.2 Nr. 227.3
For FDA application:			
Continuous application temperature	–20 +65°C		

