

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 industry
- For general applications with high cleaning requirements

Features & Benefits:

- Smooth outer layer
- For easy cleaning
- High resistance to continuous 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

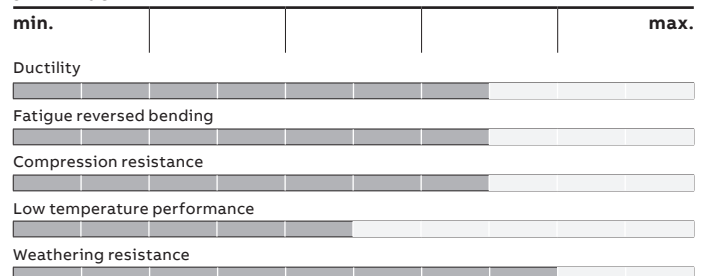
Chemical properties:

- 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

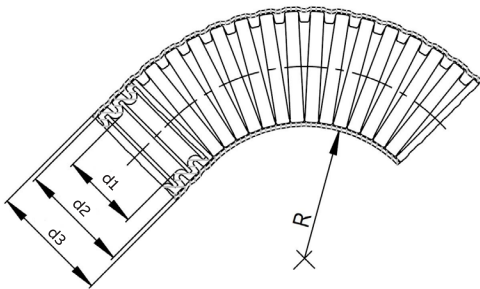
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Product selection:

Part no.	Conduit size		Dimensions in mm (nom.)					Weight kg/100 m	Packing unit metre	
	blue	NW	metric	d1	d2	d3	stat. R			dyn. R.
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

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



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		

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