

Wright Pugson Chain Ltd

DATA

All information above is given in good faith but without warranty

ACETAL PLASTIC CHAIN TECHNICAL

	Unit	Value
Breaking Load	KG	100
Maximum Continuous Temperature	°C	80
Maximum Intermittent Temperature	°C	105
Minimum Temperature	°C	-40
Water Absorption	%/ 24 hours	0.12
Coefficient of Thermal Expansion	$1 \times 10^{-5} \text{ }^{\circ}\text{C}$	11
Hardness	Rockwell	M92
Maximum Speed	Mts/min	60
Coefficient of Friction:		
- On Stainless Steel	0.15	
- On Wet Stainless Steel	0.13	
- On Plastic	0.14	
Pitch	mm	12.7
Roller Diameter	mm	8.5
Roller Length	mm	7.8
Width Over Pins	mm	21.8
Height of Links	mm	11.3
Minimum Flat Radius (Side Flexing Varieties)	mm	610
Weight:		
- Straight Running	gm/305mm (1ft)	58
- Side Flexing	gm/305mm (1ft)	67

Effect of Sunlight

Sunlight causes the material to “Chalk” slightly. This is reduced in the black versions.

Chemical Resistance

Acetal has a good resistance to organic solvents and most petroleum based hydrocarbons.

It is resistant to acids and alkalis within the range pH 4-9 but has limited resistance outside those limits.

The chain is suitable for running on sprockets of standard BS form but chain life will be reduced when running on small sprockets due to the increased angle each chain link is required to turn through.

Acetal is considered safe for use in contact with foodstuffs.

ALL VALUES ARE APPROXIMATE AND SHOULD NOT BE USED ALONE AS THE BASIS FOR DESIGN

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