

Product Spotlight

POMALUX® WR & WRX

Pomalux POMC is an internally lubricated wear resistant copolymer acetal



Westlake
plastics
LIFE IN POLYMERS

POMALUX® WR & WRX

Westlake brings over 30 years of experience extruding Pomalux copolymer acetal. Pomalux WR & WRX are next generation improved wear resistance acetal semifinished product. Wear resistant properties lends Pomalux WR & WRX to applications such as journal and sleeve bearings and bushings, wear pads, chain tracks & guides, gears, and rotating shafts, conveyor corner tracks, and other applications where extended part life is valued.



KEY FEATURES

- Enhanced wear resistance and lower coefficient of friction performance over standard acetal
- Permanent PFOA/PTFE free internal lubricant. Eliminates void issues commonly associated with PTFE filled POM
- High strength, stiffness and heat resistance
- Low moisture absorption
- Excellent chemical and hydrolysis resistance

PRODUCT RANGE

Extruded Round Bar:

- 0.5 in D (12.7mm) to 3.5 in D (88.9mm)
- 48 in (1219 mm) and 96 in (2438 mm) lengths

Extruded Sheet:

- 0.5 in T (12.7mm) to 2 in T (50.8mm)
- 24 in x 48 in (610 mm x 1219 mm)

COLORS AVAILABLE



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TYPICAL PROPERTIES

POMALUX® WR

POMALUX® WRX

PROPERTY	TEST STANDARD	SI	ENGLISH	SI	ENGLISH
TS @ Yield	D638	62.4 MPa	9050	55.0 MPa	7977
TE @ Break	D638	37%	37%		
N. Izod Impact Resistance	D256	65.5 J/M	1.23 ft-lb/in	40.5 J/M	0.76 ft-lb/in
N. Izod Impact Strength	D256	163.8 J/M	3.07 ft-lb/in ²	101.4 J/M	1.90 ft-lb/in ²
Flex Modulus	D790	2430 MPa	352,442 psi	2423 MPa	351,427 psi
Flex Strength	D790	80 MPa	11,603 psi		
HDT @ 1.8 MPa (264 psi)	D648	122 °C	252 °F	87.7 °C	190 °F
Moisture Absorption (24 hrs)	ISO 62	0.02%	0.02%	0.22%	0.22%
K Factor	D3702 Modified	32.6 10 ⁻¹⁰ in5min/ft-lb-hr	32.6 10 ⁻¹⁰ in5min/ft-lb-hr	3.0 10 ⁻¹⁰ in5min/ft-lb-hr	3.0 10 ⁻¹⁰ in5min/ft-lb-hr
COF Static	D3702 Modified	0.33	0.33	0.30	0.30
COF Dynamic	D3702 Modified	0.45	0.45	0.26	0.26

NA HEADQUARTERS
PHONE
 + 1.610.459.1000
 + 1.800.999.1700
EMAIL
 orders@westlakeplastics.com

EU HEADQUARTERS
PHONE
 + 33 (0) 3 20 68 30 35
EMAIL
 contact@wp-europe.com

ASIAN SALES
PHONE
 + 86 15206218357
EMAIL
 orders@westlakeplastics.com.cn



Disclaimer* SMITHERS Quality Assessment certifications ISO 9001:2015 And ISO 13485:2016 apply to Westlake Plastics NA operations. BSI Quality Management certifications ISO 9001 and ISO 13485 apply to Westlake Plastics EU operations.

WEBSITE: westlakeplastics.com

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