

KEP Kepital® TX-31 Wear/Friction/Resistant Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Kepital® is a registered trademark of Korea Engineering Plastics Co., Ltd. Information provided by Dayson Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KEP-Kepital-TX-31-WearFrictionResistant-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM D955
Melt Flow	27 g/10 min @Load 2.16 kg, Temperature 190 °C	27 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.93 MPa	7822 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Yield Strength	79.43 MPa	11520 psi	ASTM D790
Flexural Modulus	2.44 GPa	354 ksi	ASTM D790
Izod Impact, Notched	0.737 J/cm	1.38 ft-lb/in	ASTM D256
Coefficient of Friction	0.10	0.10	Polymer to Polymer; KEP Method
	0.10	0.10	Polymer to Steel; KEP Method

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	156.0 °C	312.8 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	107.0 °C	224.6 °F	ASTM D648
Flammability, UL94	HB	HB	

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