

Technical Data Sheet



Kocetal K500

Easy flow grade for use on hard-to-fill moulds and thin-wall parts.

Property		Test Method (ASTM)	Units	Grade	
				General Purpose	
				K 500	
Physical	Specific Gravity	D 792	-	1.41	
	Water Absorption	D 570	%	0.22	
Thermal	Melt Index 190°C	D 1238	g / 10 min	14.0	
	Melting Point	DSC Method	°C	166	
	HDT	0.45 MPa	D 684	°C	158
		1.82 MPa		°C	110
	Coeff. Linear Thermal Expansion		D 696	X10 ⁻⁵ / °C	13
	Vicat Softening Temperature		D1525	°C	162
Flammability		UL-94	-	HB	
Mechanical	Tensile Strength		D 638	MPa	62
	Tensile Elongation		D 638	%	50
	Flexural Strength		D 790	MPa	96
	Flexural Modulus		D 790	GPa	2.6
	Notched Izod Impact		D 256	J/m	61
	Rockwell Hardness		D 785	-	M80
	Coefficient of Friction	vs. - steel	D 1894	-	0.15
- same resin		-		0.35	
Electrical	Dielectric Strength (3mm t)		D 149	kV/m	19
	Volume Resistivity		D 257	$\Omega \times 10^{14} \Omega \cdot \text{cm}$	1
	Dielectric Constant		D 150	-	3.7
	Dissipation Factor		D150	-	0.006
Moldability	Mould Shrinkage	(3mmt)	D955	%	2.0

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products. Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Features

- Excellent thermal stability
- Excellent chemical resistance
- WRAS approved
- Easy Processing

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Kocetal®
 Acetal Copolymer