

Technical Data Sheet

performanceplastics

Kocetal K100

High Viscosity Grade suitable for extrusion and injection moulding

Property		Test Method (ASTM)	Units	Grade	
				General Purpose	
				K 100	
Physical	Specific Gravity	D 792	-	1.41	
	Water Absorption	D 570	%	0.22	
Thermal	Melt Index 190°C	D 1238	g / 10 min	2.5	
	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	57
	Tensile Elongation		D 638	%	80
	Flexural Strength		D 790	MPa	80
	Flexural Modulus		D 790	GPa	2.2
	Notched Izod Impact		D 256	J/m	87
	Rockwell Hardness		D 785	-	M78
	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	%	2.2

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