

Technical Data Sheet



Kocetal K300

General purpose Acetal co-polymer

Property		Test Method (ASTM)	Units	Grade	
				General Purpose	
				K 300	
Physical	Specific Gravity	D 792	-	1.41	
	Water Absorption	D 570	%	0.22	
Thermal	Melt Index 190°C	D 1238	g / 10 min	9.0	
	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	
Flammability	UL-94	-	HB		
Mechanical	Tensile Strength	D 638	MPa	64	
	Elongation at Break	D 638	%	60	
	Flexural Strength	D 790	MPa	94	
	Flexural Modulus	D 790	GPa	2.5	
	Shear Strength	D 732	MPa	56	
	Izod Impact	V-notched	D 256	J/m	67
		unnotched		J/m	780
	Tensile Impact Strength	D 1822	KJ/m ²	120	
	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	ΩX10 ¹⁴ Ω.cm	1	
	Dielectric Constant	50Hz	D 150	-	3.7
		10 ⁶ Hz		-	3.7
	Dissipation Factor	50Hz	D 150	-	0.005
		10 ⁶ Hz		-	0.005
	Arc Resistance	D 495	sec.	>200	
Tracking Index	IEC (CTI)	V	600 +		
Moldability	Mould Shrinkage (3mmt)	Machine direction	Toray	%	2.1
		Transverse direction		%	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