

Technical Data Sheet

performanceplastics

Kocetal K700

High flow Acetal co-polymer

Property		Test Method (ASTM)	Units	Grade	
				General Purpose	
				K 700	
Physical	Specific Gravity	D 792	-	1.41	
	Water Absorption	D 570	%	0.22	
Thermal	Melt Index 190°C	D 1238	g / 10 min	27	
	Melting Point	DSC Method	°C	166	
	HDT	D 684	0.45 MPa	°C	158
			1.82 MPa	°C	110
	Linear Thermal Expansion	D 696	$\times 10^{-5} / ^\circ\text{C}$	10	
Flammability	UL-94	-	HB		
Mechanical	Tensile Strength	D 638	MPa	65	
	Elongation at Break	D 638	%	45	
	Flexural Strength	D 790	MPa	97	
	Flexural Modulus	D 790	GPa	2.7	
	Shear Strength	D 732	MPa	56	
	Izod Impact	D 256	V-notched	J/m	55
			unnotched	J/m	640
	Tensile Impact Strength	D 1822	KJ/m^2	100	
	Rockwell Hardness	D 785	-	M80	
	Coefficient of Friction	D 1894	vs. - steel	-	0.15
- same resin			-	0.35	
Electrical	Dielectric Strength (3mm t)	D 149	kV/m	19	
	Volume Resistivity	D 257	$\times 10^{14} \Omega \cdot \text{cm}$	1	
	Dielectric Constant	D 150	50Hz	-	3.7
			10 Hz	-	3.7
	Dissipation Factor	D 150	50Hz	-	0.005
			10 Hz	-	0.005
	Arc Resistance	D 495	sec.	>200	
Tracking Index	IEC (CTI)	V	600 +		
Moldability	Mould Shrinkage (3mmt)	Machine direction	Toray	%	1.8
		Transverse direction		%	1.9

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
- High flow
- Easy Processing

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Kocetal®
 Acetal Copolymer