

Technical Data Sheet

performanceplastics

Kocetal WR301

Weather and UV resistant
Acetal co-polymer

Property		Test Method (ASTM)	Units	Grade	
				Weather and UV	
				WR301	
Physical	Specific Gravity	D 792	-	1.41	
	Water Absorption	D 570	%	0.22	
Thermal	Melt Index 190°C	D 1238	g / 10 min	10.0	
	Melting Point	DSC Method	°C	166	
	HDT	0.45 MPa	D 684	°C	158
		1.82 MPa		°C	110
	Linear Thermal Expansion	D 696	X10 ⁻⁵ /°C	13	
Flammability	UL-94	-	HB		
Mechanical	Tensile Strength	D 638	MPa	62	
	Elongation at Break	D 638	%	50	
	Flexural Strength	D 790	MPa	85	
	Flexural Modulus	D 790	GPa	2.4	
	Izod Impact	V-notched	D 256	J/m	65
	Rockwell Hardness		D 785	-	M80 / R115
	Coefficient of Friction	vs. - steel	D 1894	-	0.15
		- same resin		-	0.35
Electrical	Dielectric Strength (3mm t)	D 149	KV/mm	19	
	Volume Resistivity	D 257	Ωm x cm	1 x 10 ¹¹	
	Dielectric Constant	50Hz	D 150	-	3.7
		10 Hz		-	3.7
	Dissipation Factor	50Hz	D 150	-	0.06
		10 Hz		-	0.06
Mould Shrinkage		-	%	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

- Improved UV resistance
- Excellent thermal stability
- Excellent chemical resistance
- Easy Processing

Performance Plastics Ltd
Tel. 01425 403543
Fax 01425 403325
Website www.performance-plastics.co.uk

Kocetal®
Acetal Copolymer