

Dayson Polymers, LLC
KOLON® (POM) Acetal Copolymer
Kocetal Property Data Sheet
K500

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.41	ASTM 792
Melt Flow Rate	(190°C.2.16kg – E)	14 g/10 min	ASTM D1238
Mold Shrink, Linear-Flow	in/in	0.020	ASTM 955
Water Absorption @ Sat.	%	.22	ASTM D570
Mechanical			
Tensile Strength		9,100 psi	ASTM D638
Tensile Elongation @ Break	%	65	ASTM D638
Flexural Modulus		384,030 psi	ASTM D790
Flexural Strength		12,100 psi	ASTM D790
Impact			
Notched Izod Impact	ft-lb/in	1.29	ASTM D256
Hardness			
Rockwell Hardness	M-Scale	82	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		230 °F	ASTM D648
DTUL @ 66 psi - Unannealed		320 °F	ASTM D648
Melting Point		331 °F	
CLTE, Flow	in/in/°F	6.7E-005	ASTM D696
Electrical			
Surface Resistivity		1.0E+016 ohms	ASTM D257
Volume Resistivity		1.0E+014 ohm-cm	ASTM D257
Dielectric Strength	V/mil	483	ASTM D149
Dielectric Constant	1000000 Hz	3.700	ASTM D150
Dissipation Factor	1000000 Hz	0.0060	ASTM D150
Arc Resistance		200 sec	ASTM D495
Ignition Characteristics			
Flame Rating – UL		HB	UL94

GENERAL INJECTION MOLDING

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