

Dayson Polymers, LLC
KOLON® (POM) Acetal Copolymer
Kocetal Property Data Sheet
UR304

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.40	ASTM 792
Melt Flow Rate	(190°C.2.16kg – E)	6.0 g 10/min	ASTM D1238
Mold Shrink, Linear-Flow	in/in	0.017	ASTM 955
Water Absorption @ Sat.	%	.24	ASTM D570
Mechanical			
Tensile Strength		5,690 psi	ASTM D638
Tensile Elongation @ Break	%	200	ASTM D638
Flexural Modulus		199,127 psi	ASTM D790
Flexural Strength		7,110 psi	ASTM D790
Impact			
Notched Izod Impact	ft-lb/in	2.39	ASTM D256
Hardness			
Rockwell Hardness	M-Scale	75	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		176 °F	ASTM D648
DTUL @ 66 psi - Unannealed		302 °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
Ignition Characteristics			
Flame Rating – UL		HB	UL94

URETHANE FILLED GRADE FOR IMPROVED IMPACT STRENGTH AND FLEXIBILITY

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