

Dayson Polymers, LLC
KEPTAL® COPOLYMER ACETAL
Wear/Friction/Resistant
TX-31

Property	Test Method ASTM	Units	Value	Units	Value
Mechanical					
Tensile Strength	ASTM D638	kg/cm ²	550	psi	7,822
Tensile Elongation	ASTM D638	%	50		
Flexural Strength	ASTM D790	kg/cm ²	810	psi	11,520
Flexural Modulus	ASTM D790	kg/cm ²	24,900	psi	354,161
Thermal					
Heat Distortion Temperature (66 psi)	ASTM D648	°C	156	F°	312.8
Heat Distortion Temperature (264 psi)	ASTM D648	°C	107	F°	224.6
Impact					
Impact Strength	D256	kg-cm/cm	6.0	ft-lb/in	1.38
Physical					
Melt Flow Rate (2.16kg, 190°C)	D1238	g/10 min	27		
Specific Gravity	D792	--	1.38		
Flame Class					
Flammability	UL-94		HB		HB
Friction & Wear					
POM to POM		KEP METH			
(1) Specific wear rate		mm/kg.km			0.1
(2) Friction coefficient		μ			0.1
POM to Steel (S45C)		KEP METH			
(1) Specific wear rate		mm/kg.km			0.01
(2) Friction coefficient		μ			0.1
Mold Shrinkage		%			2.0

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