

# Tenac™-C Z3513

Acetal (POM) Copolymer  
Asahi Kasei Chemicals Corporation

Message:

Tenac™-C Z3513 is an Acetal (POM) Copolymer product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Tenac™-C Z3513 include automotive, engineering/industrial parts and housings.

Characteristics include:

- Copolymer
- Creep Resistant
- Fatigue Resistant
- Good Toughness
- Good UV Resistance

General Information	
Features	Copolymer
	Fatigue Resistant
	Good Creep Resistance
	Good Toughness
	Good UV Resistance
	Good Weather Resistance
	High Impact Resistance
	High Stiffness
	High Strength
	High Viscosity
	Low VOC
Uses	Automotive Applications
	Engineering Parts
	Gears
	Housings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.6 to 2.0	%	Internal Method
Water Absorption (23°C, 24 hr, 50% RH)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	62.0	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	88.0	MPa	ASTM D790

Taber Abrasion Resistance	14.0	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	158	°C	
1.8 MPa, Unannealed	110	°C	
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16 to 1.0E+17	ohms	ASTM D257
Volume Resistivity (23°C)	1.0E+15 to 1.0E+16	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Arc Resistance	250	sec	ASTM D495

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#### Recommended distributors for this material

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