

Tenopom® POM A3 MF TZ NTLA010 PR308

Acetal (POM) Homopolymer
Petropol Industry and Trade of Polymers LTDA

Message:
Polyacetal homopolymer, impact modified (Tough), medium viscosity, easy processing. Indicated for injection.

General Information			
Additive	Impact Modifier		
Features	Good Processability		
	Homopolymer		
	Impact Modified		
	Medium Viscosity		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	5.0 to 7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 to 1.7	%	ASTM D955
Water Absorption (24 hr)	0.22	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	51.0	MPa	ASTM D638
Tensile Elongation (Break)	73	%	ASTM D638
Flexural Modulus	2230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	155	°C	
1.8 MPa, Unannealed	77.0	°C	
Peak Melting Temperature	177	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+14	ohms · cm	ASTM D257
Dissipation Factor (1 MHz)	5.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	200 to 210	°C
Mold Temperature	40.0 to 60.0	°C

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

