

TYNEA 3100

Acetal (POM) Homopolymer
Tyne Plastics LLC.

Message:

Data was measured on natural colored test specimens.

General Information	
Features	High Viscosity
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.7 to 2.3	%	ASTM D955
Water Absorption (24 hr)	0.16	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	110	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	171	°C	
1.8 MPa, Unannealed	121	°C	

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