



## ASTM Plastic Specifications

Material	Product	Primary Spec.	Shapes Spec.
POM	ACETAL – homopolymer	ASTM D-4181 POM111	ASTM D-6100S-97 - POM111
	ACETAL – copolymer	ASTM D-4181 POM211	ASTM D-6100S-97 - POM211
PA	NYLON 6/6	ASTM D-4066 PA114	ASTM D-5989S-98 - PA0113
	NYLON 6/6 – MDS	ASTM D-4066 PA1102A	ASTM D-5989S-98 - PA0121
	CAST NYLON 6	MIL. L-P-410A	ASTM D-5989S-98 - PA0211
	CAST NYLON 6 – MDS	MIL. L-P-410A WEAR RES.	ASTM D-5989S-98 - PA0121
	CAST NYLON 6 – W/OIL	NONE	ASTM D-5989S-98 - PA0251
PC	POLYCARBONATE	ASTM D-3935 PC110834721	ASTM D-6098S-97 - PC0110
TPES	PBT	ASTM D-5927 TPES 01	ASTM D-6261S-98 -TPES0111
	PET	ASTM D-5927 TPES 02	ASTM D-6261S-98 -TPES0211
	PETG	ASTM D-5927 TPES 03	ASTM D-6261S-98 -TPES0011
PVC / CPVC	PVC	ASTM D-1784 PVC-01	ASTM D-6263S-98 - PVC01
	CPVC	ASTM D-1784 PVC-02	ASTM D-6263S-98 - PVC02
PEEK	PEEK	MIL. P-46183 TYPE 1	
PAEK	PAEK	ASTM D _____	ASTM D-6262S-98-PAEK0111
PTFE	PTFE	Sheet	ASTM D 4745;D 4894;D 4895
		Tubing	“
		Rod	“
		Film & Tape	“
PVDF	PVDF	ASTM D 3222	ASTM D-6713S-01-PVDF01
PE	POLYETHYLENE Rod / Tube	ASTM D 4967	ASTM PS106-01 (PROV.)
PE	UHMW	ASTM D 4020	ASTM D-6712S-01-UHMW-PE0101
PI	POLYIMIDE	ASTM	ASTM D-6456-99
PMMA	CAST ACRYLIC	ASTM D 788	ASTM D-5436-99



## ASTM Bow Tolerances

Acetal Rod ASTM D 6100		Acetal Plate ASTM D 6100		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/8"-7/8"	2 1/2" / 8ft	1/16"-3/16"	3/4" / 4ft	3/16" / 2 ft
1" -2 1/2"	1 1/4" /8ft	1/4"-1"	3/4" / 4ft	3/16" / 2 ft
2 5/8"-6"	1" / 8ft	1 1/8"-3"	1/4" / 4ft	1/16" / 2ft
Over 6"	1/4" / 4ft	3 1/8" +	1/4" / 4ft	1/8" / 2ft

Extruded Nylon Rod ASTM D 5989		Extruded Nylon Plate ASTM D 5989		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/4"-7/8"	2 1/2" / 8ft	1/16"-7/8"	3/4" / 4ft	3/16" / 2 ft
1" - 2 3/4"	1 1/4" /8ft	1" - 2"+	1/4" / 4ft	1/16" / 2 ft
3" +	1/4" / 4ft			

Cast Nylon Rod ASTM D 5989		Cast Nylon Plate ASTM D 5989		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1" - 5"+	1/4" / 4ft	3/16" - 3 3/4"+	1/4" / 4ft	1/16" / 2ft

# Technical Brief

“Shaping the Future  
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## ASTM Bow Tolerances (Cont.)

PC Rod ASTM D 6098		PC Plate ASTM D 6098		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/8"-7/8"	2 1/2" / 8ft	1/4" - 2"	3/4" / 4ft	3/16" / 2 ft
1" - 2 1/2"	1 1/4" / 8ft	2 1/8" - 3"	1/4" / 4ft	1/16" / 2 ft
2 5/8"-6"	1/4" / 4ft	3 1/8" +	1/4" / 4ft	1/16" / 1ft

PEEK Rod ASTM D 6262		PEEK Plate ASTM D 6262		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/16"-7/8"	2 1/2" / 8ft	1/4" - 7/8"	3/4" / 4ft	3/16" / 2 ft
1" - 2 5/8"	1 1/4" / 8ft	1" - 2"+	1/4" / 4ft	1/16" / 2 ft
2 3/4"-6"	1/4" / 4ft			

PVDF Rod ASTM D 6713		PVDF Plate ASTM D 6713		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/8"-7/8"	2 1/2" / 8ft	1/4" - 2"	3/4" / 4ft	3/16" / 2 ft
1" - 2 1/2"	1 1/4" / 8ft	2 1/8" - 3"	1/4" / 4ft	1/16" / 2 ft
2 5/8"-6"	1/4" / 4ft	3 1/8" +	1/4" / 4ft	1/16" / 1 ft

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## ASTM Bow Tolerances (Cont.)

PEI Rod ASTM D 7293		PEI Plate ASTM D 7293		
Diam, In	Camber (In/Ft)	Thickness, In	Camber (In/Ft) Length	Camber (In/Ft) Width
1/8"-7/8"	2 1/2" / 8ft	1/4" - 7/8"	3/4" / 4ft	3/16" / 2 ft
1" - 2 3/4"	1 1/4" / 8ft	1" +	1/4" / 4ft	1/16" / 2 ft
3"+	1/4" / 4ft	3 1/8" +	1/4" / 4ft	1/16" / 1 ft