

DELTRIN® AF Blend - Stock Shapes

Chemical Designation

POM-H (Polyacetal (Homopolymer))

Colour

brown

Density

1.5 g/cm³

Fillers

PTFE fibres

Main features

- excellent wear properties
- low static friction
- high mechanical load capacity
- good machinability

Target Industries

- conveyor technology
- automotive industry
- business machines
- heavy duty industry
- printing machines
- packaging and paper machinery

Mechanical properties	condition	value		test method	comment
Modulus of elasticity (tensile test)		310,000	psi	ASTM D 638	
Tensile strength at yield		8000	psi	ASTM D 638	
Elongation at yield		10.3	%	-	
Flexural strength		14,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)		485,000	psi	ASTM D 790	
Compression strength	1% Strain	2,200	psi	ASTM D 695	
Compression strength	10% strain	14,000	psi	ASTM D 695	
Compression modulus		250000	psi	ASTM D 695	
Impact strength (Izod)		1.0	ft-lbs/in	ASTM D 256	
Rockwell hardness	M Scale	77		ASTM D 785	
Thermal properties	condition	value		test method	comment
Melting temperature		347	°F	-	
Deflection temperature	@ 66 psi	334	°F	ASTM D 648	
Deflection temperature	@264 psi	244	°F	ASTM D 648	
Service temperature	Intermittent	300	°F	-	
Service temperature	Long Term	185	°F	-	
Other properties	condition	value		test method	comment
Moisture absorption	@ 24 hrs, 73 °F	0.12	%	ASTM D 570	(1) estimated
Flammability (UL94)		HB		-	1)

→ resin specification:
ASTM D6778-06 POM0110L13B45340 superceding ASTM D4181-00 POM110L13A21220 or ASTM D4181-00 POM110L13A00000
shapes specification:
ASTM D6100-11 S-POM0132

Material properties and averages can vary from one manufacturer to another. These properties are given as reference without any obligation or liability on behalf of Precision Punch and Plastics.