

DELTRIN ® 527UV - Stock Shapes

Chemical Designation

POM-H (Polyacetal (Homopolymer))

Colour

black

Density

1.41 g/cm³

Fillers

UV stabilizer

Main features

- very good UV and weather resistance
- improved surface hardness
- good machinability
- very good mechanical strength

Target Industries

- automotive industry
- agricultural machinery
- construction industry
- solar systems

Mechanical properties	condition	value		test method	comment
Modulus of elasticity (tensile test)	@ 73 °F	431,000	psi	ASTM D 638	
Tensile strength at yield	@ 73 °F	10,300	psi	ASTM D 638	
Elongation at break	@ 73 °F	16.3	%	ASTM D 638	
Flexural strength	@ 73 °F	17,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@ 73 °F	585,000	psi	ASTM D 790	
Impact strength (Izod)	@ 73 °F	1.28	ft-lbs/in	ASTM D 256	
Rockwell hardness	M Scale	92		ASTM D 785	
Rockwell hardness	R Scale	118		ASTM D 785	
Other properties	condition	value		test method	comment
Moisture absorption	@ 24 hrs, 73 °F	0.14	%	ASTM D 570	

→ Resin specification:
ASTM D6778-06 POM0132 superseding ASTM D4181-00 POM132
Shapes specification:
ASTM D6100 POM01601222444

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.