

TECAFORM® AH LM white - Stock Shapes (rods, plates, tubes)

Chemical Designation

POM-C (Polyacetal (Copolymer))

Colour

white

Density

1.42 g/cm³

Fillers

Proprietary

Main features

- laser-markable
- resistant to cleaning agents
- high strength
- high toughness
- good machinability
- good slide and wear properties

Target Industries

- conveyor technology
- mechanical engineering
- precision engineering
- automotive industry
- electrical engineering
- home appliances
- medical technology

<i>Mechanical properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
Tensile strength	@73°F	8200	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	293,800	psi	ASTM D 638	
Elongation at yield (tensile test)	@73°F	10	%	ASTM D 638	
Elongation at break (tensile test)	@73°F	54	%	ASTM D 638	
Flexural strength	@73°F	11,200	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	375,200	psi	ASTM D 790	
Compression strength	@ 1% Deformation	2700	psi	ASTM D 695	
Compression strength	@ 10% Deformation	12,260	psi	ASTM D 695	
Compression modulus	@73°F	265,000	psi	ASTM D 695	
Impact strength (Izod)	@73°F, notched	1.14	ft-lbs/in	ASTM D 256	
Rockwell hardness	@73°F	85		ASTM D 785	
<i>Thermal properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
Melting temperature		336	°F	ASTM D 3418	(1) Public Source Individual Testing Recommended
Service temperature	Long Term	212	°F	-	1)
Service temperature	Short Term	284	°F	-	2)
					(2) Public Source Individual Testing Recommended
<i>Other properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
Moisture absorption	@ 24 hrs	0.12	%	ASTM D 570	

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