

POM

GB-325

Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	64	MPa
Friction Coefficient	Static	ASTM D3702	0.15	
Friction Coefficient	Dynamic	ASTM D3702	0.21	
Elongation	23°C	ASTM D638	10	%
Tiber wear and tear		ASTM D1044	22	mg/1000cy
Flexural Modulus	23°C	ASTM D790	3900	MPa
Flexural Strength	23°C	ASTM D790	98	MPa
Izod Notch Impact		ASTM D256	35.71	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	4.08	kJ/m ²
Thermal	Condition	Standard	Value	Unit
HDT	Unannealed 0.45MPa	ASTM D648	165	°C
HDT	Unannealed 1.8MPa	ASTM D648	150	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.59	g/cm ³
Shrinkage	Flow	ASTM D995	1.6	%
Shrinkage	xFlow	ASTM D995	1.9	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	80	