

LUCEL

POM

FW-700A

Product information

Part Marking Code POM

Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	54	MPa
Friction Coefficient	Static	ASTM D3702	0.09	
Friction Coefficient	Dynamic	ASTM D3702	0.12	
Elongation	23°C	ASTM D638	60	%
Tiber wear and tear		ASTM D1044	11	mg/1000cy
Flexural Modulus	23°C	ASTM D790	2250	MPa
Flexural Strength	23°C	ASTM D790	75	MPa
Izod Notch Impact		ASTM D256	71.42	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	66.32	kJ/m ²
Thermal	Condition	Standard	Value	Unit
HDT	Unannealed 0.45MPa	ASTM D648	160	°C
HDT	Unannealed 1.8MPa	ASTM D648	110	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.39	g/cm ³
Shrinkage	Flow	ASTM D995	2	%
Shrinkage	xFlow	ASTM D995	2.2	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	75	