

LUCEL

POM

FW-710F

Product information

Part Marking Code POM

Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	53	MPa
Friction Coefficient	Static	ASTM D3702	0.06	
Friction Coefficient	Dynamic	ASTM D3702	0.11	
Elongation	23°C	ASTM D638	50	%
Tiber wear and tear		ASTM D1044	10	mg/1000cy
Flexural Modulus	23°C	ASTM D790	2450	MPa
Flexural Strength	23°C	ASTM D790	83	MPa
Izod Notch Impact		ASTM D256	56.12	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	5.10	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	1.46	g/cm ³
Shrinkage	Flow	ASTM D995	1.4	%
Shrinkage	xFlow	ASTM D995	1.7	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	70	