

LUCEL

POM

FW720F

Product information				
Part Marking Code	POM			
Material Shape	Pellets			
FR	HB			
Features	low wear			
Application	Gear printer component roller camera application			
Electrical properties	Condition	Standard	Value	Unit
Surface Resistivity		ASTM D257	1E14	Ω
Volume Resistivity	23°C	ASTM D257	1E16	Ω.cm
Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Yield 10mm/min 3.2mm	ASTM D638	49.01	MPa
Elongation	Fracture 10mm/min 3.2mm	ASTM D638	40	%
Flexural Modulus	2.8mm/min 6.4mm	ASTM D790	2254.90	MPa
Flexural Strength	2.8mm/min 6.4mm	ASTM D790	78.43	MPa
Izod Notch Impact	23°C 6.4mm	ASTM D256	4.5	kJ/m ²
Thermal	Condition	Standard	Value	Unit
HDT	0.45MPa 6.4mm	ASTM D648	155	°C
HDT	1.8MPa 6.4mm	ASTM D648	110	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.52	g/cm ³
Melt Index		ASTM D1238	9	g/10min
Shrinkage	Flow 3.2mm	ASTM D955	1.3~1.6	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	70	
Flammability	Condition	Standard	Value	Unit
Flame Rating	1.5mm	UL94	HB	
Flame Rating	3.0mm	UL94	HB	