

LUCEL

POM

EC-610B

Product information

Part Marking Code POM

Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	54	MPa
Elongation	23°C	ASTM D638	5	%
Flexural Modulus	23°C	ASTM D790	2800	MPa
Flexural Strength	23°C	ASTM D790	98	MPa
Izod Notch Impact		ASTM D256	26.53	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	3.06	kJ/m ²
Thermal	Condition	Standard	Value	Unit
HDT	Unannealed 0.45MPa	ASTM D648	160	°C
HDT	Unannealed 1.8MPa	ASTM D648	120	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.43	g/cm ³
Shrinkage	Flow	ASTM D995	1.6	%
Shrinkage	xFlow	ASTM D995	1.9	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	R(Scale)	ASTM D785	82	