

LUCEL

POM

EC-605B

Product information				
Part Marking Code		POM		
FR		HB		
Specification		UL		
Mechanical behavior	Condition	Standard	Value	Unit
Tensile Strength	Break 23°C	ASTM D638	59	MPa
Elongation	23°C	ASTM D638	10	%
Flexural Modulus	23°C	ASTM D790	2500	MPa
Flexural Strength	23°C	ASTM D790	88	MPa
Izod Notch Impact		ASTM D256	30.61	kJ/m ²
Izod Notch Impact	23°C	ASTM D256	3.57	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	1.42	g/cm ³
Shrinkage	Flow	ASTM D995	1.8	%
Shrinkage	xFlow	ASTM D995	2.1	%
Hardness	Condition	Standard	Value	Unit
Rockwell Hardness	M(Scale)	ASTM D785	80	
Flammability	Condition	Standard	Value	Unit
Flame Rating	Black 0.75mm	UL94	HB	
Flame Rating	Black 2.9mm	UL94	HB	