

**POLYlux 3809S**

(PC+PBT)

Polykemi AB

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	50	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy notched impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Shore D Hardness	76	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	132	°C	ISO 306
Vicat softening temperature, B	108	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-

Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe, Asia Pacific