

POLYlux 3809S FR

Polycarbonate + PBT
Polykemi AB

Message:
PC/PBT-Blend Flame retarded

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	40.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m²	
23°C	13	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	81.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	134	°C	ISO 306/A50
--	110	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
NOTE			
1.	120°C/hr		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

