

POLYblend PC/ABS 65V

Polycarbonate + ABS

Polykemi AB

Message:

PC/ABS-blend Flame retarded

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	30	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.50 to 0.70	%	
Flow	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	57.0	MPa	ISO 527-2
Tensile Strain (Yield)	7.5	%	ISO 527-2
Flexural Modulus (23°C)	2600	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m ²	
23°C	18	kJ/m ²	
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	120	°C	ISO 75-2/B
0.45 MPa, Annealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	101	°C	ISO 75-2/A
1.8 MPa, Annealed	106	°C	ISO 75-2/A
Vicat Softening Temperature			
--	132	°C	ISO 306/A50
--	118	°C	ISO 306/B50
Ball Pressure Test (110°C)	Pass		IEC 60695-10-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		

2.50 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature (1.60 mm)	960	°C	IEC 60695-2-13
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



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