

KOPHOS® KO1360S

Polycarbonate
Kolon Plastics, Inc.

Message:
Extrusion, High Diffusion , Low Transmittance

General Information			
RoHS Compliance	RoHS compliance		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	60.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	200	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress (23°C)	90.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	128	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (0.8 to 3.2mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (Total)	58.0 - 62.0	%	ISO 13468
Haze	99	%	ISO 14782
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	120 - 130	°C	
Drying Time - Desiccant Dryer	3.0 - 5.0	hr	
Suggested Max Moisture	< 0.030	%	
Rear Temperature	270 - 290	°C	
Middle Temperature	280 - 300	°C	
Front Temperature	290 - 310	°C	
Nozzle Temperature	280 - 300	°C	
Mold Temperature	60 - 90	°C	

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