

PRODUCT INFORMATION**KOPHOS[®] KO1989**

Light Diffusion Material (Polycarbonate)

Property		Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.2
Melt Index (300 °C/1,200g)		ASTM D1238	-	25.0
Mechanical				
Tensile Strength		ASTM D638	Kgf/cm ²	650
Elongation		ASTM D638	%	110
Flexural Strength		ASTM D790	Kgf/cm ²	1000
Flexural modulus		ASTM D790	Kgf/cm ²	25000
Izod impact strength (Notched, 23 °C, 1/8")		ASTM D256	Kgfc/cm	10
Thermal				
HDT (1.82 Mpa, t=1/4")		ASTM D648	°C	131
Flammability		UL94	-	0.8~3.2mm V2
Optical				
TT (Total Transmittance)	1.0mm	ISO 13468	%	89 ± 2.0
Haze	1.0mm	ISO 14782	%	60 ↑

**KOLON PLASTICS, Inc.**