

**PRODUCT INFORMATION****KOPHOS<sup>®</sup> KO1372**

Light Diffusion Material (Polycarbonate)

| Property                                       |       | Method     | Units               | Value        |
|------------------------------------------------|-------|------------|---------------------|--------------|
| <b>Physical</b>                                |       |            |                     |              |
| Specific Gravity                               |       | ASTM D792  | -                   | 1.2          |
| Melt Index (300 °C/1,200g)                     |       | ASTM D1238 | -                   | 11.0         |
| <b>Mechanical</b>                              |       |            |                     |              |
| Tensile Strength                               |       | ASTM D638  | Kgf/cm <sup>2</sup> | 700          |
| Elongation                                     |       | ASTM D638  | %                   | 200          |
| Flexural Strength                              |       | ASTM D790  | Kgf/cm <sup>2</sup> | 1100         |
| Flexural modulus                               |       | ASTM D790  | Kgf/cm <sup>2</sup> | 25000        |
| Izod impact strength<br>(Notched, 23 °C, 1/8") |       | ASTM D256  | Kgfc/cm             | 87           |
| <b>Thermal</b>                                 |       |            |                     |              |
| HDT (1.82 Mpa, t=1/4")                         |       | ASTM D648  | °C                  | 134          |
| Flammability                                   |       | UL94       | -                   | 0.8~3.2mm V2 |
| <b>Optical</b>                                 |       |            |                     |              |
| TT (Total Transmittance)                       | 1.0mm | ISO 13468  | %                   | 72.00 ± 2.0  |
| Haze                                           | 1.0mm | ISO 14782  | %                   | 99 ↑         |

**KOLON PLASTICS, Inc.**