

Kazanorgsintez PC-075D Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Production Method: Obtained by means of polycondensation method. Application: Intended for manufacture of optical products by method of die-casting (including CD, DVD, and other discs), as well as the manufacture of mixed composites with other plastics. Information Provided by Kazanorgsintez

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kazanorgsintez-PC-075D-Polycarbonate.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|----------|
| Melt Flow | 7.3 - 8.3 g/10 min | 7.3 - 8.3 g/10 min | |
| | @Load 1.20 kg, Temperature 250 °C | @Load 2.65 lb, Temperature 482 °F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|--------------|--------------------|
| Tensile Strength, Yield | >= 60.0 MPa | >= 8700 psi | |
| Elongation at Break | >= 50 % | >= 50 % | |
| Flexural Modulus | 2.25 GPa | 326 ksi | |
| Transverse Strength | >= 90.0 MPa | >= 13100 psi | at max sample load |

| Optical Properties | Metric | English | Comments |
|-----------------------|----------------------|----------------------|----------|
| Refractive Index | 1.584 - 1.586 | 1.584 - 1.586 | |
| | @Temperature 20.0 °C | @Temperature 68.0 °F | |
| Yellow Index | <= 3.5 % | <= 3.5 % | |
| Transmission, Visible | >= 89 % | >= 89 % | |
| | >= 91 % | >= 91 % | |

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