

Kotex K-40UVR

PC

Kotec Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------------|----------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 12 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | Value | Unit | Test Standard |
| Tensile Strength at Break | 63 | MPa | ASTM D 638 |
| Elongation at Break | 120 | % | ASTM D 638 |
| Flexural Modulus | 2160 | MPa | ASTM D 790 |
| Flexural Strength | 85 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 830 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | Value | Unit | Test Standard |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 133 | °C | ASTM D 648 |
| Electrical properties | | | |
| ASTM Data | Value | Unit | Test Standard |
| Dielectric Strength, Short Time | 20 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.009 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 2.9 | - | ASTM D 150 |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |
| Arc Resistance | 110 | s | ASTM D 495 |
| Optical properties | | | |
| ASTM Data | Value | Unit | Test Standard |
| Haze | 1 | % | ASTM D 1003 |
| Light Transmittance | 89 | % | ASTM D 1003 |
| Index of Refraction | 1.58 | - | ASTM D 542 |
| Other properties | | | |
| Value | Unit | Test Standard | |
| Water Absorption, 24hr | 0.2 | % | ASTM D 570 |
| Density | 1200 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather

Features

Low Odor

Applications

General Purpose

Regional Availability

Europe, Asia Pacific