

Ecopond Flex-64D

(Polyester+TPC)

Kingfa Sci. & Tech.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 3 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 5.2 | g/10min | ASTM D 1238 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength | 35.2 | MPa | ASTM D 638 |
| Flexural Modulus | 951.6 | MPa | ASTM D 790 |
| Flexural Strength | 40.5 | MPa | ASTM D 790 |
| Thermal properties | | | |
| ISO Data | | | |
| Vicat softening temperature, A | 63 | °C | ISO 306 |
| ASTM Data | | | |
| DTUL @ 264 psi | 53 | °C | ASTM D 648 |
| Melting Temperature | 133 | °C | ASTM D 3418 |
| Optical properties | | | |
| ASTM Data | | | |
| Light Transmittance | 55 | % | ASTM D 1003 |
| Other properties | | | |
| Density | 1240 | kg/m ³ | ISO 1183 |
| Density | 1240 | kg/m ³ | ASTM D 792 |
| Film Properties | | | |
| ISO Data | | | |
| Maximum stress, parallel | 57 | MPa | ISO 527-3 |
| Maximum stress, normal | 46 | MPa | ISO 527-3 |
| Maximum strain, parallel | 340 | % | ISO 527-3 |
| Maximum strain, normal | 270 | % | ISO 527-3 |

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion, Blow Molding, Casting

Features

Soft Feel, Weldable

Certifications

Biodegradable

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa