



## 355 resin Technical Specifications

| Attribute                  | Unit  | GM1811      | GM1618      | MS1920      | GM1728 Gray | GM2260      | Thermo1638  | SoftX1658   | Crysplus1801 | Cryscat2101 | D2000       |
|----------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Appearance                 |       | White       | White       | Coffee      | Gray        | Black       | White       | White       | Transparent  | Transparent | White       |
| Packing                    |       | 10kg/barrel | 10kg/barrel | 10kg/barrel | 10kg/barrel | 10kg/barrel | 10kg/barrel | 10kg/barrel | 10kg/barrel  | 10kg/barrel | 10kg/barrel |
| Viscosity<br>@30°C(Liquid) | cps   | 497         | 418         | 400         | 390         | 410         | 893         | 125.9       | 200          | 210         | 410         |
| Density<br>@25°C(Liquid)   | g/cm3 | 1.14        | 1.18        | 1.18        | 1.15        | 1.17        | 1.21        | 1.12        | 1.12         | 1.13        | 1.17        |
| Tensile Strength           | MPa   | 53.7        | 42          | 54          | 62.4        | 61          | 64          | 3-4         | 48           | 49          | 52          |
| Tensile Modulus            | MPa   | 3160        | 2280        | 2200        | 3200        | 3000        | 2846        | 40-50       | 2200         | 2730        | 2200        |
| Elongation at Break        | %     | 5.1         | 8           | 13          | 6.8         | 7           | 4           | 51          | 12           | 15          | 9           |
| Flexural Strength          | MPa   | 78.6        | 80          | 93          | 83.1        | 90          | 112         | 2-3         | 86           | 80          | 98          |
| Flexural Modulus           | MPa   | 2450        | 1860        | 2465        | 2390        | 2300        | 2600        | 80-100      | 2100         | 2360        | 2500        |
| Izod Impact(Notched)       | J/m   | 31          | 32          | 32          | 42          | 41          | 19          | 120-150     | 28           | 22          | 32          |
| Hardness(Shore D)          | %     | 81          | 78          | 87          | 83          | 84          | 88          | 90(Shore A) | 86           | 84          | 84          |
| HDT@0.46 MPa               | °C    | 59.1        | 49          | 59          | 56.4        | 55          | 70          | /           | 52           | 53          | 54          |
| Water Absorption           | %     | 0.58        | 0.41        | 0.4         | 0.54        | 0.54        | 0.41        | 1.5         | 0.48         | 0.44        | 0.51        |