

# Kepital® F20-51

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

## Message:

UV resistance with UV carbon black, medium viscosity grade, good for weather resistance purpose. It has stability on UV light, and so good at out-door use.

| General Information                    |                         |                   |             |
|--|-------------------------|-------------------|-------------|
| Features                               | Copolymer               |                   |             |
|  | Good UV resistance      |                   |             |
|  | Good weather resistance |                   |             |
|  | Medium viscosity        |                   |             |
| Uses                                   | Outdoor application     |                   |             |
| Appearance                             | Black                   |                   |             |
| Physical                               | Nominal Value           | Unit              | Test Method |
| Density                                | 1.41                    | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR)              | 10                      | g/10 min          | ISO 1133    |
| Molding Shrinkage - Flow (3.00 mm)     | 2.0                     | %                 | ISO 294-4   |
| Mechanical                             | Nominal Value           | Unit              | Test Method |
| Tensile Stress (Break, 23°C)           | 62.0                    | MPa               | ISO 527-2   |
| Nominal Tensile Strain at Break (23°C) | 25                      | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                | 2650                    | MPa               | ISO 178     |
| Flexural Stress (23°C)                 | 88.0                    | MPa               | ISO 178     |
| Impact                                 | Nominal Value           | Unit              | Test Method |
| Charpy Notched Impact Strength         | 7.0                     | kJ/m <sup>2</sup> | ISO 179/1eA |
| Electrical                             | Nominal Value           | Unit              | Test Method |
| Surface Resistivity                    | 1.5E+15                 | ohms              | IEC 60093   |
| Volume Resistivity                     | 1.0E+14                 | ohms · cm         | IEC 60093   |
| Dielectric Strength                    | 19                      | kV/mm             | IEC 60243-1 |
| Flammability                           | Nominal Value           | Unit              | Test Method |
| Flame Rating                           | HB                      |                   | UL 94       |

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