

# Kepital® F20-33

Acetal (POM) Copolymer

Korea Engineering Plastics Co., Ltd

## Message:

A medium viscosity grade for general injection molding. It has improved on toughness and high cycle.

| General Information                               |                    |                   |             |
|---------------------------------------------------|--------------------|-------------------|-------------|
| UL YellowCard                                     | E120354-220441     |                   |             |
| Features                                          | Fast Molding Cycle |                   |             |
|                                                   | General Purpose    |                   |             |
|                                                   | Good Toughness     |                   |             |
|                                                   | Medium Viscosity   |                   |             |
| Uses                                              | General Purpose    |                   |             |
| RoHS Compliance                                   | RoHS Compliant     |                   |             |
| Forms                                             | Pellets            |                   |             |
| Processing Method                                 | Injection Molding  |                   |             |
| Physical                                          | Nominal Value      | Unit              | Test Method |
| Density                                           | 1.41               | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR)                         | 9.0                | g/10 min          | ISO 1133    |
| Molding Shrinkage - Flow (3.00 mm)                | 2.0                | %                 |             |
| Mechanical                                        | Nominal Value      | Unit              | Test Method |
| Tensile Stress (Yield, 23°C)                      | 65.0               | MPa               | ISO 527-2   |
| Nominal Tensile Strain at Break (23°C)            | 35                 | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                           | 2550               | MPa               | ISO 178     |
| Flexural Stress (23°C)                            | 87.0               | MPa               | ISO 178     |
| Impact                                            | Nominal Value      | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 6.5                | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                                           | Nominal Value      | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 100                | °C                | ISO 75-2/A  |
| Electrical                                        | Nominal Value      | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+16            | ohms              | IEC 60093   |
| Volume Resistivity                                | 1.0E+14            | ohms · cm         | IEC 60093   |
| Electric Strength                                 | 19                 | kV/mm             | IEC 60243-1 |
| Flammability                                      | Nominal Value      | Unit              | Test Method |
| Flame Rating                                      | HB                 |                   | UL 94       |

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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