

TECHNICAL DATA SHEET

# DURAFIDE® 6345A4

Polyplastics  
(PPS+PTFE)-GF30

**Additives**

Lubricants

| Mechanical Properties                       | Value | Unit              | Standard        |
|---|-------|-------------------|-----------------|
| Tensile strength                            | 155   | MPa               | ISO 527         |
| Strain at break                             | 1.8   | %                 | ISO 527         |
| Flexural modulus, 23°C                      | 11500 | MPa               | ISO 178         |
| Flexural strength                           | 220   | MPa               | ISO 178         |
| Charpy notched impact strength, +23°C       | 9     | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Rockwell hardness                           | M 95  |                   | ISO 2039-2      |
| Thermal Properties                          | Value | Unit              | Standard        |
| Temp. of deflection under load, 1.80 MPa    | 265   | °C                | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel | 20    | E-6/K             | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion, normal   | 40    | E-6/K             | ISO 11359-1/-2  |
| Burning behav. at thickness h               | V-0   | class             | IEC 60695-11-10 |
| Yellow card available                       | yes   |                   |                 |
| Electrical Properties                       | Value | Unit              | Standard        |
| Relative permittivity, 1MHz                 | 4.2   |                   | IEC 62631-2-1   |
| Dissipation factor, 1MHz                    | 20    | E-4               | IEC 62631-2-1   |
| Volume resistivity                          | 4E13  | Ohm*m             | IEC 62631-3-1   |
| Electric strength                           | 19    | kV/mm             | IEC 60243-1     |
| Comparative tracking index                  | 125   |                   | IEC 60112       |
| Arc resistance                              | 121   | s                 | ASTM D 495      |
| Other Properties                            | Value | Unit              | Standard        |
| Density                                     | 1680  | kg/m <sup>3</sup> | ISO 1183        |