

TECHNICAL DATA SHEET

# DURACON® CH-15

Polyplastics  
POM-CF15

**Special Characteristics**

Increased electrical conductivity

| Processing/Physical Characteristics         | Value | Unit                   | Standard        |
|---|-------|------------------------|-----------------|
| Melt volume-flow rate, MVR                  | 2.4   | cm <sup>3</sup> /10min | ISO 1133        |
| Temperature                                 | 190   | °C                     |                 |
| Load  | 2.16  | kg                     |                 |
| Melt flow index, MFI                        | 3     | g/10min                | ISO 1133        |
| Temperature                                 | 190   | °C                     |                 |
| Load  | 2.16  | kg                     |                 |
| Molding shrinkage, parallel                 | 0.6   | %                      | ISO 294-4, 2577 |
| Molding shrinkage, normal                   | 1     | %                      | ISO 294-4, 2577 |
| Mechanical Properties                       | Value | Unit                   | Standard        |
| Tensile modulus                             | 11700 | MPa                    | ISO 527         |
| Tensile strength                            | 130   | MPa                    | ISO 527         |
| Strain at break                             | 1.5   | %                      | ISO 527         |
| Poisson's ratio                             | 0.35  |                        | ISO 527         |
| Flexural modulus, 23°C                      | 10000 | MPa                    | ISO 178         |
| Flexural strength                           | 185   | MPa                    | ISO 178         |
| Charpy notched impact strength, +23°C       | 4.5   | kJ/m <sup>2</sup>      | ISO 179/1eA     |
| Thermal Properties                          | Value | Unit                   | Standard        |
| Temp. of deflection under load, 1.80 MPa    | 163   | °C                     | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel | 10    | E-6/K                  | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion, normal   | 90    | E-6/K                  | ISO 11359-1/-2  |
| Other Properties                            | Value | Unit                   | Standard        |
| Density                                     | 1450  | kg/m <sup>3</sup>      | ISO 1183        |