

ECOTRAN® E2150T BK  
PPS-(GF+MF)

HDC Polyall

| Rheological properties      | Value | Unit    | Test Standard   |
|-----------------------------|-------|---------|-----------------|
| <b>ISO Data</b>             |       |         |                 |
| Molding shrinkage, parallel | 0.3   | %       | ISO 294-4, 2577 |
| Molding shrinkage, normal   | 0.7   | %       | ISO 294-4, 2577 |
| Melt Flow Index, MFI        | 2.45  | g/10min | ISO 1133        |
| MFI temperature             | 320   | °C      | -               |
| MFI load                    | 10    | kg      | -               |

| Mechanical Properties                   | Value   | Unit              | Test Standard |
|-----------------------------------------|---------|-------------------|---------------|
| <b>ISO Data</b>                         |         |                   |               |
| Tensile Strength                        | 170     | MPa               | ISO 527       |
| Strain at Break                         | 1.7     | %                 | ISO 527       |
| Impact Strength (Charpy), +23°C         | 50      | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Notched Impact Strength (Charpy), +23°C | 10      | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Flexural Modulus (23°C)                 | 14200   | MPa               | ISO 178       |
| Flexural strength                       | 270     | MPa               | ISO 178       |
| Rockwell Hardness                       | R 113,7 | -                 | ISO 2039-2    |

| Thermal Properties                        | Value | Unit  | Test Standard  |
|-------------------------------------------|-------|-------|----------------|
| <b>ISO Data</b>                           |       |       |                |
| Melting Temperature (10°C/min)            | 280   | °C    | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 265   | °C    | ISO 75-1/-2    |
| Burning Behav. at thickness h             | V-0   | class | UL 94          |
| Thickness tested                          | 3.2   | mm    | -              |

| Electrical Properties       | Value | Unit  | Test Standard |
|-----------------------------|-------|-------|---------------|
| <b>ISO Data</b>             |       |       |               |
| Relative permittivity, 1MHz | 4     | -     | IEC 62631-2-1 |
| Dissipation Factor, 1MHz    | 50    | E-4   | IEC 62631-2-1 |
| Volume Resistivity          | 1E14  | Ohm*m | IEC 62631-3-1 |
| Electric Strength           | 25    | kV/mm | IEC 60243-1   |
| Comparative tracking index  | 175   | -     | IEC 60112     |
| <b>ASTM Data</b>            |       |       |               |
| Arc Resistance              | 120   | s     | ASTM D 495    |

| Other Properties | Value | Unit              | Test Standard  |
|------------------|-------|-------------------|----------------|
| <b>ISO Data</b>  |       |                   |                |
| Water Absorption | 0.02  | %                 | Sim. to ISO 62 |
| Density          | 1730  | kg/m <sup>3</sup> | ISO 1183       |

## Characteristics

## Delivery form

Black

## Special Characteristics

Impact modified