

## THERMEC™ S

**THERMEC™ S** provides unmatched value in demanding applications where superior heat resistance, design stiffness, wear and friction and process flow qualities are required. With no known solvent below 200 °C, PPS outperforms PA6, PA6.6 and PPA in most difficult environments, including exposure to steam and harsh chemicals. This makes PPS compounds ideal for water pump impellers, energy exploration and production applications. **THERMEC™ S** PPS also have the ability to be molded, extruded, or machined to extremely tight tolerances for more precise forming of detailed designs that cannot be matched even by the substitution of metal or cast iron. The **THERMEC™ S** product range offers a wide variety of reinforcing options with differing filler content, including glass fiber, glass bead and mineral.

### MATERIAL PROPERTIES

- Excellent thermal stability
- Superb chemical resistance
- Outstanding dimensional stability
- Inherently flame retardant
- Stable electrical properties



### STANDARD PRODUCT LINE

<b>THERMEC™ S 4160BC5T1</b>	PPS, 5% graphene reinforced, impact modified, for injection molding or extrusion
<b>THERMEC™ S 4160CF15T1</b>	PPS, 15% carbon fiber reinforced, impact modified, for injection molding or extrusion
<b>THERMEC™ S 4167CF22T1</b>	PPS, 22% carbon fiber reinforced, impact modified, for injection molding or extrusion
<b>THERMEC™ S 4160T1</b>	PPS, impact modified, for injection molding or extrusion
<b>THERMEC™ S 4162T2</b>	PPS, impact modified, for injection molding or extrusion
<b>THERMEC™ S 6250RC65</b>	PPS, 65% glass fiber and mineral reinforced
<b>THERMEC™ S 6250R40</b>	PPS, 40% glass fiber reinforced
<b>THERMEC™ S 4150RC65</b>	PPS, 65% glass fiber and mineral reinforced
<b>THERMEC™ S 4150R40</b>	PPS, 40% glass fiber reinforced
<b>THERMEC™ S 4160R15T1</b>	PPS, 15% glass fiber reinforced, impact modified, for injection molding or extrusion

### OIL & GAS – ELECTRIC & ELECTRONIC – RENEWABLE ENERGY

