

## THERMEC™ S

**THERMEC™ S** provides unmatched value in demanding applications where superior heat resistance, design stiffness, wear & 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 and 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 fibre, glass bead and mineral.

### MATERIAL PROPERTIES

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

### STANDARD PRODUCT LINE

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

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

