

THERMEC™ N

Based on several different PPA base polymer types, the **THERMEC™ N** family offers an extensive portfolio of semi-crystalline thermoplastic compounds for use in both oil and water heated molds. These compounds offer a unique combination of strength, temperature, wear and chemical resistance. The most common grades are 30 % and 35 % glass fibre reinforced compounds. The mechanical properties of **THERMEC™ N** surpass those of standard PA6 and PA6.6 polyamides at application temperatures up to 230°C – ideal for metal replacement.

Suitable for higher heat exposure applications like smaller-sized vehicles, where tighter under-hood packaging, reduced air flow, and hotter environments require higher performing materials

MATERIAL PROPERTIES

High melting point	Good chemical resistance
Continuous service temperature up to 230°C	Good fuel resistance
Low moisture absorption	Good creep resistance

STANDARD PRODUCT LINE

THERMEC™ N 4314R15T1H	PPA, 15 % glass fibre reinforced, impact modified, heat stabilized, for oil heated molds
THERMEC™ N 4314R35H	PPA, 35 % glass fibre reinforced, heat stabilized, for oil heated molds
THERMEC™ N 4314R35HY	PPA, 35 % glass fibre reinforced, hydrolysis stabilized, for oil heated molds, natural colour
THERMEC™ N 4340R35H	PPA, 35 % glass fibre reinforced, heat stabilized, for water heated molds
THERMEC™ N 4350R35H	PPA, 35 % glass fibre reinforced, improved flowability, heat stabilized, for water heated molds
THERMEC™ N 4314R40H	PPA, 40 % glass fibre reinforced, heat stabilized, for oil heated molds
THERMEC™ N 4314R45H	PPA, 45 % glass fibre reinforced, heat stabilized, for oil heated molds
THERMEC™ N 4314R50HY	PPA, 50 % glass fibre reinforced, heat and hydrolysis stabilized, for oil heated molds, natural

ELECTRICAL & SMALL-SIZE ENGINES – COMPRESSORS – PLUMBING PARTS – FUEL EXPANSION CHAMBER

