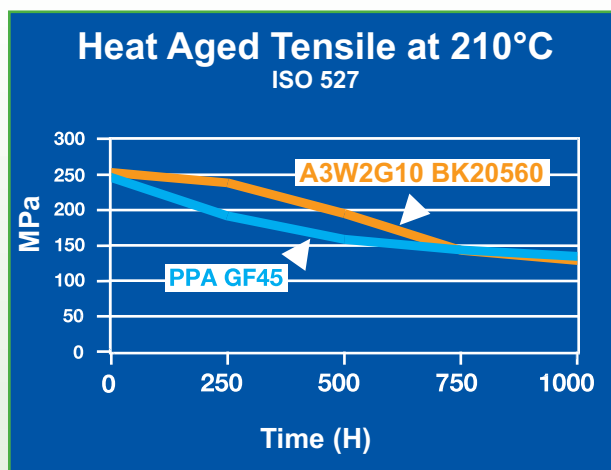
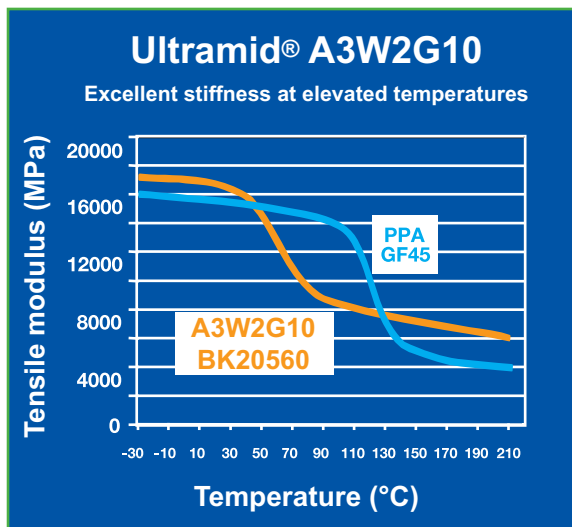


Ultramid® A3W2G10 Polyamide 66 (PA66)



Extending the use of Ultramid A into higher temperature applications



Performance Solutions:

Focusing on the needs of our customers and consumers, BASF developed **Ultramid A3W2G10**, a 50% glass fiber reinforced material engineered to meet the requirements of cooler end caps and ducting in turbo charging systems. In keeping with market needs to provide high value products that reduce part cost, Ultramid A3W2G10 can endure a continuous temperature of 210° C, surpassing PA 66 typical long-term useful range of 140° C - 150° C.

This grade can replace more expensive resins like polyphthalamide and polyamide 46, lowering the overall part cost. Even with 50% glass reinforcement, this material has excellent processing flow properties, and provides a superior surface appearance. Vibration welding of the material is easy, allowing for the weld strength to remain high after heat aging. Ultramid A3W2G10 also provides "metal-to-plastic" opportunities, enabling OEM's to reduce vehicle weight, improving gas mileage and reduced emissions.

Key Properties:

- Special heat stabilizing system
- Useful temperature range -40 to 210°C
- Excellent processing properties and weldability
- High stiffness and strength
- Excellent long-term heat aging characteristics
- Resistance to engine fluids and cleaners
- Low creep properties
- Exceptional surface appearance

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