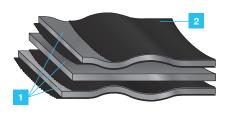
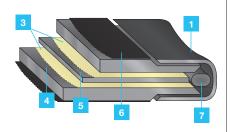
## MAHLE

# Head and manifold gasket materials



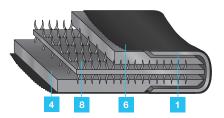
#### Multi-Layered Steel Head & Manifold Gaskets

- Maintains all OE tolerances and requirements
- + Polymer coated for positive fluid seal
- + Ultimate temperature resistance
- + Lower clamping force means less bore distortion



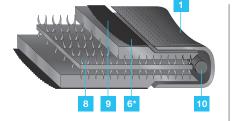
### Solid Core Composite Head and Exhaust Manifold Gaskets

- Made of PTFE coated non-asbestos facing material
- + Chemically bonded to a solid steel core
- Solid steel core provides superior radial strength
- Pre-flattened wire ring withstands higher cylinder pressures



#### Composite Manifold Head Gaskets

- PTFE coating ensures a secure seal through thermal expansion
- + Removes clean from block without sticking
- + Never need to re-torque
- Stainless steel core available for marine applications



### Graphite Head and Manifold Gaskets

- + Stays cool at temps up to 1800° F
- Designed to seal minor surface irregularities
- + No re-torque required
- + PTFE coating optional

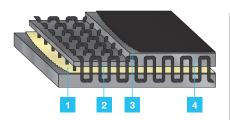
- 1 Stainless steel
- 2 Polymer coating
- 3 Adhesive
- 4 Non-asbestos facing
- 5 Steel core

PTFE coating (\*optional)
Pre-flattened wire ring
Perforated steel core
Graphite facing
Wire ring

## MAHLE

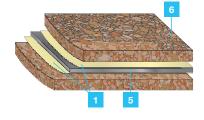
## >

### Valve, timing cover, oil pan & other gasket materials



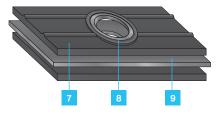
### Performance Composite Timing Cover, Water Pump and Differential Gaskets

- + Contains a woven, perforated steel core
- Chemically and mechanically secured to composition facing
- Provides superior strength for sealing irregular surfaces
- + PTFE coated to resist fretting



### Cork Oil Pan, Valve Cover and Differential Gaskets with Metal Carrier

- + Prevents over-tightening
- + Improves torque retention
- Simplifies installation
- Highly chemical resistant



### Molded Rubber Valve Cover and Oil Pan Gaskets

- + No joints means increased durability
- + Sealants not required (except t-joints)
- Compression limiters prevent over-tightening
- + No torque loss or shrinkage

- Adhesive
   Woven steel core
   PTFE coating
   Non-asbestos facing
  - 5 Steel core

