

Handbuilt OAT Coolant Hoses



Why OAT?

OAT Coolants offer significant benefits to engines, being engineered to provide resistance against corrosion and overheating in engines by utilizing organic acids that inhibit rust formation without the use of silicates, phosphates or other harmful additives.

While this is good for engines, normal silicone hose reinforcements can be corroded by the OAT coolant vapours. James Dawson's OAT coolant hose is designed to withstand these acidic coolant types to ensure performance and longevity.

Designed to operate with OAT, HOAT and SOAT extended life coolants. James Dawson's hoses will also operate at a higher temperature than conventional EPDM and polyester reinforced silicone hoses.

With the trusted manufacturing expertise that comes from decades of experience, our range of OAT Coolant Hoses are engineered to withstand the most demanding conditions and elevate your engines performance.



Elbows & Straights

- 2mm black liner with up to 5 Plys available
- High quality OAT compatible fabric reinforcement
- Shore hardness 65±5
- Temperature range -55°C to +180°C (Intermittently 200°C)
- Bore sizes 6.35mm - 76.2mm



Straight & Elbow Reducers

- 2mm black liner with up to 5 Plys available
- High quality OAT compatible fabric reinforcement
- Shore hardness 65±5
- Temperature range -55°C to +180°C (Intermittently 200°C)
- Bore sizes 12.7mm - 76.2mm



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Straight Specification



Part	Hose Inside Diameter
Shore Hardness	65 ± 5
Tensile (Mpa)	8
Elongation @ break (%)	250
Tear (KN/m)	14
Compression Set (Min %)	18
Max Temp Continuous	< 5%

Hose Diameter	Ply	Burst pressures (ID): BAR
6.0mm	3	33.5
10mm	3	31.5
12.7mm	3	30.2
15.9mm	3	26.4
19.0mm	3	23.0
22.0mm	3	21.5
25.4mm	3	20.3
32.0mm	4	22.8
44.0mm	4	20.2
50.8mm	4	19.5
54.0mm	4	17.5
63.0mm	5	16.8
76.0mm	5	13.2



At Fenner Precision Polymers, A Michelin Group Company, we are proud to keep your business in motion. As a supplier of critical components and engineered solutions for conveying, motion control and power transmission applications, our trusted brands are recognized globally for providing unique solutions that solve complex problems and build sustainable growth. We strive to partner closely with you so we can always provide expert-level support and powerful results that keep our world moving forward.