



# Castrol ON immersion cooling fluid: DC 20

Castrol ON Immersion Cooling Fluid DC 20 is a synthetic hydrocarbon based dielectric coolant.



## Material Compatibility

The list below provides general guidance and is not exhaustive. It is recommended to test the exact grade of material for compatibility before use.

| Material Category        | Material Type                           | Compatibility           |
|--------------------------|---|-------------------------|
| Elastomer                | Acrylic Rubber (ACM)                    | Good Compatibility      |
|                          | Ethylene Acrylic (AEM)                  | Good Compatibility      |
|                          | Hydrogenated Nitrile Rubber (HNBR)      | Good Compatibility      |
|                          | Polyurethane Rubber (PUR)               | Good Compatibility      |
|                          | Fluorocarbon Rubber (FKM)               | Good Compatibility      |
|                          | Fluorosilicone Rubber (FVMQ)            | Good Compatibility      |
|                          | Polyurethane (PU)                       | Good Compatibility      |
|                          | Chloroprene Rubber (CR)                 | Moderate Compatibility* |
|                          | Nitrile Rubber (NBR)                    | Moderate Compatibility* |
|                          | Liquid Silicone Rubber (LSR)            | Poor Compatibility      |
|                          | Silicone Rubber (VMQ)                   | Poor Compatibility      |
|                          | Ethylene-propylene diene monomer (EPDM) | Poor Compatibility      |
| Metal                    | Aluminium (Al)                          | Good Compatibility      |
|                          | Copper (Cu)                             | Good Compatibility      |
|                          | Nickel (Ni)                             | Good Compatibility      |
|                          | Nickel Plated Steel (NPS)               | Good Compatibility      |
|                          | Steel (ST)                              | Good Compatibility      |
| Plastic                  | Nylon/Polyamide 46 (PA46)               | Good Compatibility      |
|                          | Nylon/Polyamide 66 (PA66)               | Good Compatibility      |
|                          | Nylon/Polyamide 6 (PA6)                 | Good Compatibility      |
|                          | Nylon/Polyamide 12 (PA12)               | Good Compatibility      |
|                          | Polycarbonate (PC)                      | Good Compatibility      |
|                          | Polyimide (PI)                          | Good Compatibility      |
|                          | Polyphthalamide (PPA)                   | Good Compatibility      |
|                          | Nylon/Polyamide (PA)                    | Good Compatibility      |
|                          | Polytetrafluoroethylene (PTFE)          | Good Compatibility      |
|                          | Polyphenylene Sulfide (PPS)             | Good Compatibility      |
| Polyoxymethylene (POM)   | Moderate Compatibility*                 |                         |
| Polyvinyl Chloride (PVC) | Moderate Compatibility*                 |                         |

\*dependent on material grade and material manufacturer

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