

# SPECIALTY COMPOUNDS IN WATER MANAGEMENT

WATER MANAGEMENT APPLICATIONS

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SABIC Specialty compounds offer the water management industry design flexibility to produce products with longer lives and higher quality. Our materials are excellent candidates to replace metal and can provide weight reduction, corrosion resistance, high strength and stiffness or inherent lubricity depending on the application requirements.

## NORYL™

- Hydrolytic stability
- Low water absorption
- Dimensional accuracy

## ULTEM™

- Excellent strength performance
- Excellent abrasion performance

## LUBRICOMP™

- Internally lubricated
- Low Wear in Aqueous Environments
- Low coefficient of Friction

## THERMOCOMP™

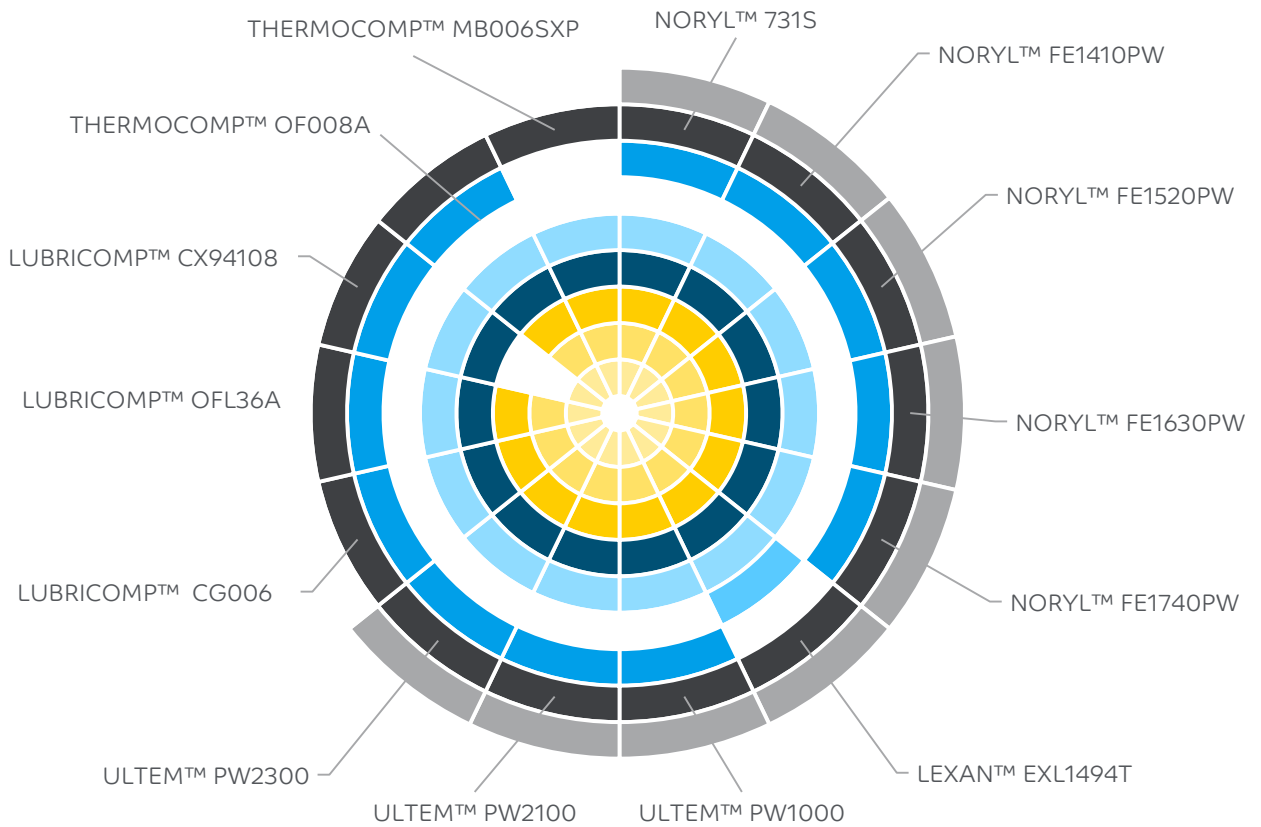
- Thermal resistance
- Structural mechanical performance

## LEXAN™ EXL

- Transparency
- High Impact & Ductility
- Wide color gamut

In addition to mechanical requirements, applications into the water management industry need certification for potable water compliance according to national standards. SABIC has developed a dedicated potable water certified portfolio to give trust and reliability and to speed up customer time to market.

## SABIC OFFERING CERTIFIED FOR WATER MANAGEMENT APPLICATIONS:



Material certified for: WRAS (selective colors only) 23 60 85°C ACS KTW 23 60 85°C W270 NSF 61 Hot Water

# SOLUTIONS BEYOND POTABLE WATER

For applications that do not require potable water certification SABIC Specialties has developed a wide range of specialized thermoplastic compounds based on different base resins and fillers.



## STAT-KON™

- Intrinsic electrical conductivity performance

## LUBRICOMP™

- Internally lubricated
- Low Friction
- Low Wear

## NORYL™ PPX

- Higher Heat performance and lower Creep tendency than standard PP

## THERMOCOMP™

- Dimensional accuracy
- Thermal resistance
- Structural mechanical performance

## VERTON™

- Enhanced impact strength
- Long-term creep and fatigue performance

## NORYL™ GTX

- Less moisture uptake and lower creep tendency than standard Polyamide



## SABIC OFFERING BEYOND POTABLE WATER APPLICATION:

COMPONENT	SABIC OFFERING	MATERIAL BASE	EXAMPLE
Pump housings	VERTON™ RV & MV THERMOCOMP™ STAT-KON™ Compound	PA, PP HDPE, PP, POM, PEI, PEEK, PPS, PPA series PP, POM, Nylon	VERTON MV007 in pump housing for whirlpools
Impellers & diffusers, Valve Parts	VERTON™ RV & MV THERMOCOMP™ & LUBRICOMP™ NORYL™, NORYL™ GTX & PPX	PA, PP PP, POM, PEI, PVDF, PEEK, PPS, PPA series PPO/PS, PPO/PA, PPO/PP	VERTON MV008 in impellers for heating circuit pumps  LUBRICOMP CG006 in Water Meter Pistons and rotors
Water & gas meters	LUBRICOMP™ & THERMOCOMP™, NORYL™ GTX & PPX	PP, Nylon, PC, PPO, PPS, POM, PPO/PP, PPO/PA	NORYL GTX830 as Water Meter housing
Boiler Components	NORYL™ PPX and NORYL™ GTX	PPO/PP, PPO/PA	NORYL PPX630 for heat exchanger housings

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