

CHEMISTRY THAT MATTERS™

NORYL™ RESINS FOR ULTRASONIC WATER METERS

Amorphous glass filled NORYL resin can meet the required **mechanical part performance** level in complex injection molded parts through a effective combination of **material, design** and **processing** technology. In Ultrasonic water meters, NORYL resins deliver clear advantages over traditional brass, including reduced material usage, light weight and elimination of secondary operations. Compared to other thermoplastic alternatives, they offer benefits such as lower density, easier processing and superior dimensional accuracy.

VALUE PROPOSITION



EASY TO PROCESS



COST SAVINGS



DIMENSIONAL STABILITY



LIGHT WEIGHT

Resin type	Burst	Fatigue	Creep rupture	Water hammer
Method	23°C, 1 bar/sec	30°C, 2.5 – 25 bar, 1 Hz	60°C, 16 bar	25°C, 25 bar, 1 s/ 0 bar,
Requirement	> 100 bars	> 200k cycles	>1000 hours	
NORYL WM330G resin	143	>300k	> 3000	>75k
40% GF PPA	139	>300k	>2000	>75k
50% GF PA12	168	>300k	>3000	>75k
40% GF PPS	126	>300k	>3000	>75k

All measurements completed in SABIC’s WM COE



OUR DRINKING WATER PORTFOLIO* COMPLIES WITH BELOW CERTIFICATIONS UP TO 85°C:



*Grade/Color/Manufacturing site specific

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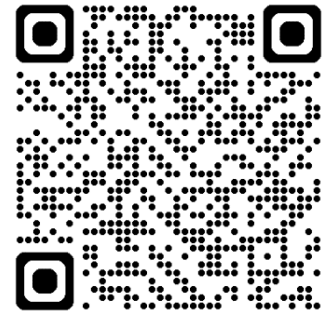
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