

Metal replacement/fluid handling

## In their element: Broad portfolio in contact with food and water

### Permanent long-term values







- + Broad drinking water grade product portfolio
- + Hostaform® POM:  
Good flowability, excellent tribological properties, appealing surfaces
- + Fortron® PPS:  
Rigid and stable, no water absorption, high continuous service temperature, lead-free
- + GUR® UHMW-PE:  
Very good chemical resistance, excellent tribological properties and high abrasion resistance
- + Celanex® PBT:  
Good mechanical properties, good tribological properties, appealing surfaces



Today's bathrooms are progressively turning into spas. Ensuring every aspect of their functionality essentially relies on their materials providing long-term properties and drinking water grade characteristics. But it's not only fittings and shower heads where such features are coming to the fore but also the entire fields of water management and food contact.

Plastic materials benefit engineers with added options such as integrated multi-functional components or the freedom of design. Ticona has a particularly broad product portfolio specifically designed for drinking water and food contact applications and the challenging requirements of this market. Members of the family include Hostaform® POM or Celanex® PBT with their excellent tribological properties, MetaLX™ types for visible parts, or Fortron® PPS for high-precision parts, which have to withstand mechanical loads in hot water contact inside today's mixer taps, energy-efficient pumps or valves.

Choice of drinking water grade product varieties\*

Polymer/grade	Colour											
		FDA (USA)	EU 10/2011 BfR IX	DVGW (KTW & W270) [°C]				NSF 61 [°C]		WRAS [°C]		ACS
				23	60	85	W270	23	82	23	85	
<b>Hostaform® POM</b>												
C 2521, C 9021	natural	+	+	+	+	+	+	+	+	+	+	+
M25 AE	natural	+	+	+	+	+	+	+	+	+	+	+
M30 AE	natural	+	+	+	+	+	+	+	+	+	+	+
MR 130ACS	natural	+	+	+	+	+	+	+	+	+	+	+
C 9021 TF	natural	+	+							+	+	
C9021 GV1/30 3134	natural	+	+	+	+		+	+	+	+	+	+
<b>Fortron® PPS</b>												
1140 L4/L6 natural	natural	+	+	+	+	+	+	+	+	+	+	+
1140 L4/L6 SG3005	blue	+	+							+	+	
1140 L4/L6 SD3002	black		+	+	+	+	+	+	+	+	+	
6165 L4/L6	natural	+	+				+	+	+	+	+	
MT 91150L0 SD3039	black	+	+	+	+	+	+	+	+	+	+	+
MT 9141L4 SD3039	black	+	+	+	+	+	+	+	+	+	+	+
<b>GUR® UHMW-PE</b>												
2015	natural	+	+							+	+	
2122	natural	+	+							+	+	
4012	natural	+	+							+	+	
4120	natural	+	+	+	+	+	+			+	+	
4150	natural	+	+	+	+	+	+			+	+	
<b>Vectra® LCP, Zenite® LCP</b>												
A130	natural	+	+							+	+	
A435	natural	+	+							+	+	
E130i	natural	+	+							+	+	
<b>Celanex® PBT</b>												
2000-3	natural	+	+					+				
2002-2	natural	+	+	+	+		+	+		+		
2002-2 20/12500	white	+	+							+		
2002-3	natural	+	+					+				
2003-2	natural/black	+	+					+				
2008	natural	+	+					+				
3300-2 EF-2001	natural/black	+	+					+				

\* Ask for other products and drinking water grade colourings

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\* 0.14 €/minute + local landline