

Celanese Hostaform[®] C 9021 FCT1

This tribological modified grade has a good combination of mechanical properties and tribological properties. The mechanical properties are comparable to Hostaform C 9021 especially the good weld line strength.

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Melt Flow	8.5 g/10 min @Load 2.16 kg, Temperature 190 °C	8.5 g/10 min @Load 4.76 lb, Temperature 374 °F	[cm ³ /10min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	50mm/min; ISO 527-2/1A
Elongation at Break	30 %	30 %	
Elongation at Yield	9.0 %	9.0 %	50mm/min; ISO 527-2/1A
Tensile Modulus	2.80 GPa	406 ksi	50mm/min; ISO 527-2/1A
Charpy Impact, Notched	0.750 J/cm ²	3.57 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	166 °C	331 °F	10°C/min; ISO 11357-1,-2,-3

Descriptive Properties	
Injection molding	Yes

Processing conditions acc.
ISO

9988-2