

Celanese Hostaform[®] C 13031 XF 50/5339

Hostaform C 13031 XF 50/5339 displays excellent resistance to sour gasoline, as well as hot diesel fuel and its decomposition products, even - for brief periods - at temperatures as high as 120 °C.

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	10x10x4 mm from multi-purpose test specimen (ISO 3167); ISO 1183

Melt Flow	17.04 g/10 min @Load 2.16 kg, Temperature 190 °C	17.04 g/10 min @Load 4.76 lb, Temperature 374 °F	Calculated from Volume flow Rate: 12 cm ³ /10min; ISO 1133
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Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	multi-purpose test specimen (ISO 3167); ISO 527, part 1/2; test speed 50 mm/min

Elongation at Break	30 %	30 %	multi-purpose specimen (ISO 3167); ISO 527, part 1/2; test speed 50 mm/min
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Elongation at Yield	11 %	11 %	multi-purpose test specimen (ISO 3167); ISO 527, part 1/2; test speed 50 mm/min
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Tensile Modulus	2.90 GPa	421 ksi	multi-purpose test specimen (ISO 3167); ISO 527, part 1/2; test speed 1 mm/min
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Charpy Impact Unnotched	15.0 J/cm ² @Thickness 4.00 mm, Temperature 23.0 °C	71.4 ft-lb/in ² @Thickness 0.157 in, Temperature 73.4 °F	80x10x4 m from multi-purpose test specimen (ISO 3167); ISO 179 1eU
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Charpy Impact, Notched	0.600 J/cm ² @Temperature -30.0 °C	2.86 ft-lb/in ² @Temperature -22.0 °F	80x10x4 m from multi-purpose test specimen (ISO 3167); ISO 179 1eA
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	0.800 J/cm ² @Thickness 4.00 mm, Temperature 23.0 °C	3.81 ft-lb/in ² @Thickness 0.157 in, Temperature 73.4 °F	80x10x4 m from multi-purpose test specimen (ISO 3167); ISO 179 1eA
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