



SC

980

SC 980 is a

rigid polyurethane foam system which has been formulated for filling vinyl windows with a significantly improved energy rating.

It consists of two parts; the resin and isocyanate.

This system provides low density and excellent physical properties.

It has been specialty formulated to minimize cell pressure during foaming to eliminate wall distortion while minimizing odor during the filling process.

The NFRC insulation value for Polyurethane Foam Insulation with HFC-245fa is 0.138 BTU-in/hr-ft²-F. Available in green, blue or natural (off-white) colors.

Properties

Specific Gravity (Resin) at 72°F	1.065 ~ 1.075
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Specific Gravity (Isocyanate) at 72°F	1.22 ~ 1.24
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Viscosity (Resin) at 72°F	550 ~ 750 cps
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Viscosity (Isocyanate) at 72°F	150 ~ 250 cps
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Ideal Foaming Conditions

Isocyanate	105°F/40°C
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Resin	105°F/40°C
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Vinyl	Above 55°F/12°C
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Pressure	1,000-1,500 PSI
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Reactivity

Properly mixed at 1:1 ratio

Foam Cure Time	40-60 seconds
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Foam Density	0.9~1.1 lb/ft ³
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Storage

SC 980 is hygroscopic and absorption of moisture would affect reactivity and physical properties of the resulting polymer. Recommended shelf life of this system is 6 months maximum, if stored properly. The material should be stored in sealed containers and in dry conditions, away from direct sources of heat.

The recommended storage temperature is between 68-95°F

Handling Precautions

SC 980 has a very low odor and does not present a significant health hazard to users. Refer to MSDS for both **980** and **ISO** for specific handling procedures. Normal standards of industrial hygiene should however be observed when handling this chemical.

Fire & Explosion Hazards

SC 980 is not readily ignited, but it will burn when involved in a fire.



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Mitsui Chemicals & SKC Polyurethanes Inc.