



NCFI Polyurethanes
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21-071 Rigid Pour Foam System

Technical Data Sheet

NCFI 21-071 is a two component, HFO blown, low GWP, all PMDI based, pour-in-place urethane rigid foam system. It is designed for void filling applications which require a high degree of flow.

Typical Properties of Components

Description	Poly	Iso
Component	B-21-071	A2-000
Appearance	brown liquid	brown liquid
Brookfield Viscosity @ 20 rpm	500 cps at 72°F	200 cps at 72°F
Specific Gravity	1.13	1.24
Storage Temperature	32°F - 100°F	60°F- 100°F
Shelf Life (from DOM)	6 months	6 months

Mix Ratio, Index 113

By weight..... 100 parts B : 109 parts A
 By volume..... 100 parts B : 100 parts A

Typical Properties of Mixed System at 72°F

	Regular	Fast
Cream Time (sec)	40	28
Gel Time (sec)	170	120
Tack Free Time (sec)	200	150
Rise Time (sec)	270	180
Free Rise Core Density (pcf)	4.0	

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Typical Physical Properties

Overall Molded Density	5.3 pcf (4.9 pcf core)
Compressive Strength	98.5 psi
Initial k-factor	0.173
Closed Cell Content	>90%
Water Absorption	0.06 lb/ft ²
Flammability	
UL-94 HBF	Pass
FMVSS-302	Pass
FAR 25.853a(ii)	Pass
Resistance to Solvents	Excellent
Resistance to Mold & Mildew	Excellent
Maximum Service Temperature	200°F

*The above values are average values obtained from laboratory experiments and should serve only as guide lines.

Other Properties

- Meets Title 46 CFR 179.240 for flotation foam
- Meets USCG Title 33, Chapter 1, Part 183

Storage and Handling

For both components, avoid moisture contamination during storage, handling and processing. Pad containers and day tanks with either nitrogen or dry air (desiccant cartridge or -40°F dew point dry air). Follow recommended storage temperature requirements as indicated above. **Failure to follow temperature requirements can result in irreparable damage to the iso component.**

Original: 121917
 Revised: 010218
 Revised: 053019