Freeman 945
EconomicalHi-Temp Surface Coat

Freeman Mfg.
& Supply Co.
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Description

Freeman 945 Hi-Temp Surface Coat is a thixotropic, aluminum-filled, heat-resistant product that provides excellent duplication and sag-resistant properties. Freeman 945 is suited for continual use at temperatures ranging from 77°F (25°C) to 300°F (149°C).

Freeman 945 Hi-Temp Surface Coat, when used in conjunction with Freeman 917 Hi-Temp Laminating Resin, is ideal for the construction of vacuum-form molds, blow molds, holding, nesting and bonding fixtures that are typically subjected to high temperatures.

Physical Properties

Color (when mixed)	Gray
Mix Ratio (R:H, by wt.)	100:10
(R:H, by vol.)	100:14
Gel Time (min. @ 72°F.)	45-55
Tack Time (hrs. @ 72°F.)	$2^1/2$ -3
Tg (by DMA) °F	310
Mixed Sag (pass : fail)	$^1/16$" : $^1/8$"
Hardness (Shore D) (@ 72°F)	90
Ultimate Compressive Strength (psi - ASTM D-695-63)	25,000
Ultimate Tensile Strength (psi - ASTM D-638-64)	5,000
Ultimate Flexural Strength (psi)	8,000
Specific Gravity, Cured	1.40
Demold Time (hrs.)	24
CTE (in./ in./ °F)	.000037
Volumetric Yield (cu. in./ lb.)	19.9

Availability

Cat. No.	Description	Availability	Net Wt. Lbs.
055962	945 Surface Coat Resin	1-Qt.	2.0
055963	945 Surface Coat Hardener	1 Pt.	0.2
055960	945 Surface Coat Resin	6 Qt.	12.0
055961	945 Surface Coat Hardener	(6)1 Pt.	1.2
055966	945 Surface Coat Resin	5-Gal.	45.0
055967	945 Surface Coat Hardener	1-Gal.	4.5

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