



## PRODUCT SPECIFICATION

**PRODUCT CODE:** FR-2025

**Revision:** 14

**DESCRIPTION:** 3M(TM) Flame Retardant Additive

**PROD SPEC TYPE CODE:** Release

**Effective Date:**  
06/11/2007

**Superseding Date:**  
07/26/2005

**Status:**  
Effective

### REASON FOR REVISION:

Change number of significant digits for free fluoride and sulfate properties to 4.

### AUTHOR:

Lori M. Kimmet-Mobley/US-Corporate/3M/US

Seq	Cntl	Property Description	Test Method	Unit	Lower Limit	Target	Upper Limit
1	-	Potassium Perfluorobutane Sulfonate	36.163	%	95.0	-	-
Comments:							
2	-	Gamma Hydrido - PBSK	36.163	%	-	-	4.0
Comments:							
3	-	Potassium Butane Sulfonates, Total Assay	36.163	%	99.0	-	100.0
Comments:							
4	-	Appearance	22.74.C	-	-	Pass	-
Comments: White solid							
5	-	Calcium	86.100.1	%	-	-	0.01
6	-	Iron	86.100.1	ppm	-	-	5
Comments:							
7	-	Sulfate	34.17	%	-	-	0.02
8	-	Free Fluoride	53.4.1	%	-	-	0.05
9	-	Water	4.1.C	%wt	-	-	0.2
Comments:							
10	-	pH	30.8.3	-	5.5	-	7.5
Comments: 5% Aqueous							

**DOCUMENT FOOTNOTES:**

These are introductory specifications based upon limited data and are subject to change.

**SHELF LIFE STATEMENT:**

The shelf life of this material is two years from the date of manufacture when stored in the original, unopened container.