



Kemgard™

Flame Retardant · Smoke Suppressant

Kemgard 981 Decreases Isothermal Weight Loss In Glass Filled FR Nylon 6/6

Application Bulletin #2130

Nylon 6/6

FORMULATION	1	2	3
Common Ingredients			
Nylon 6/6	41.9%	41.9%	41.9%
Glass	27.6%	27.6%	27.6%
Pyrochek 68PB	23.5%	23.5%	23.5%
Variables:			
Antimony Trioxide	7%	5.25%	4.4%
<i>KEMGARD 981</i>	0%	1.75%	2.6%
ISOTHERMAL TGA Loss			
@ 340°C	36.2%	14.1%	12.8%
@ 320°C	13.3%	4.1%	4.4%
@ 300°C	3.1%	2.5%	2.4%
UL 94 (1/16")	VO	VO	VO

Data provided by Ferro Corp.

KEMGARD 991 Benefits

- Reduces Isothermal weight loss
- Allows for Higher Molding Temperature
- Reduces Mold Corrosion
- Provides increase in Processing Temperature
- Improves CTI in excess of 40%



SHERWIN-WILLIAMS CHEMICALS

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