

ALUPREM®

TF-10 • TF-10-MES

Specialty Aluminum Hydroxides

DESCRIPTION

Two specialty ATH products are offered as cost-effective alternatives to high purity white ATH:

TF-10: high brightness & translucent ATH

TF-10-MES: high brightness & translucent ATH with hydrophobic silane coating

	TF-10	TF-10-MES
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CHEMICAL ANALYSIS

Al(OH) ₃ content, %	99.6	99.1
Na ₂ O Max, %	0.3	0.3
Typical, %	<0.1	<0.1
SiO ₂ , %	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01
Moisture Content (105° C), %	<0.3	<0.3
Typical, %	<0.2	<0.1
Loss on Ignition (LOI) (1200° C), %	34.5	34.5

PHYSICAL ANALYSIS

Whiteness R 457	102	102
Min	97	97
Average Particle Size d ₅₀ (µm)	10	10
Specific Density (g/cm ³)	2.4	2.4
Bulk Density (kg/m ³)	800	800

The information herein is believed to be correct and reliable; however, no warranty is given concerning the accuracy of these data, merchantability or fitness for a particular use.

rev 06.24

ALUPREM®

TF-13 • TF-13-MES

Specialty Aluminum Hydroxides

DESCRIPTION

Two specialty ATH products are offered as cost-effective alternatives to high purity white ATH:

TF-13: high brightness & translucent ATH

TF-13-MES: high brightness & translucent ATH with hydrophobic silane coating

	TF-13	TF-13-MES
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CHEMICAL ANALYSIS

Al(OH) ₃ content, %	99.6	99.1
Na ₂ O Max, %	0.3	0.3
Typical, %	<0.1	<0.1
SiO ₂ , %	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01
Moisture Content (105° C), %	<0.3	<0.3
Typical, %	<0.2	<0.1
Loss on Ignition (LOI) (1200° C), %	34.5	34.5

PHYSICAL ANALYSIS

Whiteness R 457	100	100
Min	95	95
Average Particle Size d ₅₀ (µm)	13	13
Specific Density (g/cm ³)	2.4	2.4
Bulk Density (kg/m ³)	1000	1000

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rev 06.24

ALUPREM®

TF-20 • TF-20-MES

Specialty Aluminum Hydroxides

DESCRIPTION

Two specialty ATH products are offered as cost-effective alternatives to high purity white ATH:

TF-20: high brightness & translucent ATH

TF-20-MES: high brightness & translucent ATH with hydrophobic silane coating

	TF-20	TF-20-MES
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CHEMICAL ANALYSIS

Al(OH) ₃ content, %	99.6	99.1
Na ₂ O Max, %	0.3	0.3
Typical, %	<0.1	<0.1
SiO ₂ , %	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01
Moisture Content (105° C), %	<0.3	<0.3
Typical, %	<0.2	<0.1
Loss on Ignition (LOI) (1200° C), %	34.5	34.5

PHYSICAL ANALYSIS

Whiteness R 457	98	98
Min	94	94
Average Particle Size d ₅₀ (µm)	20	20
Specific Density (g/cm ³)	2.4	2.4
Bulk Density (kg/m ³)	1100	1100

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rev 06.24

ALUPREM®

TF-35 • TF-35-MES

Specialty Aluminum Hydroxides

DESCRIPTION

Two specialty ATH products are offered as cost-effective alternatives to high purity white ATH:

TF-35: high brightness & translucent ATH

TF-35-MES: high brightness & translucent ATH with hydrophobic silane coating

	TF-35	TF-35-MES
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CHEMICAL ANALYSIS

Al(OH) ₃ content, %	99.6	99.1
Na ₂ O Max, %	0.3	0.3
Typical, %	<0.1	<0.1
SiO ₂ , %	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01
Moisture Content (105° C), %	<0.3	<0.3
Typical, %	<0.2	<0.1
Loss on Ignition (LOI) (1200° C), %	34.5	34.5

PHYSICAL ANALYSIS

Whiteness R 457	97	97
Min	93	93
Average Particle Size d ₅₀ (µm)	35	35
Specific Density (g/cm ³)	2.4	2.4
Bulk Density (kg/m ³)	1200	1200

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ALUPREM®

TF-50 • TF-50-MES

Specialty Aluminum Hydroxides

DESCRIPTION

Two specialty ATH products are offered as cost-effective alternatives to high purity white ATH:

TF-50: high brightness & translucent ATH

TF-50-MES: high brightness & translucent ATH with hydrophobic silane coating

	TF-50	TF-50-MES
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CHEMICAL ANALYSIS

Al(OH) ₃ content, %	99.6	99.1
Na ₂ O Max, %	0.3	0.3
Typical, %	<0.1	<0.1
SiO ₂ , %	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01
Moisture Content (105° C), %	<0.3	<0.3
Typical, %	<0.2	<0.1
Loss on Ignition (LOI) (1200° C), %	34.5	34.5

PHYSICAL ANALYSIS

Whiteness R 457	96	96
Min	93	93
Average Particle Size d ₅₀ (µm)	50	50
Specific Density (g/cm ³)	2.4	2.4
Bulk Density (kg/m ³)	1300	1300

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