

March 19, 2020

(originally reported on March 17, 2015)

REPORT: The following report covers requirements for Road Marking Thermoplastic under AASHTO M-249.

PRODUCT: JS Chemical Corporation Road Marking Hot Melt (Thermoplastic) White

SAMPLE: The sample was received on 9-27-13 from the JS Chemical Corporation.

<u>TEST METHODS</u>	<u>SPECIFICATION</u>	<u>RESULTS</u>
Binder Content	18% minimum	18.90 %
Glass Bead Content	30 - 45%	30.39 %
TiO ₂ Pigment Content (assuming >92% TiO ₂ purity)	12 -15 % minimum	12.07 %
Color, after 4 hrs. @ 425° F	Match Fed. Std # 17886	Pass
Reflectance	Y 75% minimum	82.87 %
Yellowness Index	0.12 maximum	0.09
Softening Point	200° - 230° F	227 ° F
Impact Resistance	10 in. lbs. min.	10.70 in. lbs.
Low Temp. Resistance	no cracks in 24 hrs. @ -9°C	no cracks
Specific Gravity	2.15 max.	1.94
Inert Filler	42% max.	38.64 %
Flowability (4 hrs)	18% retained max.	10.08 %
Extended Flowability (8 hrs)	28% retained max.	10.01 %
Drying Time	< 2 minutes @ 50° F < 10 minutes @ 90° F	<2 minutes <10 minutes

Reported by:

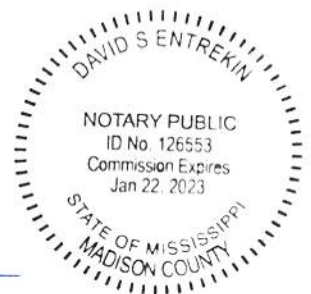
Alex Hamilton

Alex M. Hamilton, Coatings Lab Manager
[JSChemicalM249.xlsx](#)

DATE: 3-19-2020

NOTARY PUBLIC:

[Signature]





March 19, 2020

(originally reported on March 17, 2015)

REPORT: The following report covers requirements for Road Marking Thermoplastic under AASHTO M-249.

PRODUCT: JS Chemical Corporation Road Marking Hot Melt (Thermoplastic) Yellow

SAMPLE: The sample was received on 9-27-13 from the JS Chemical Corporation.

<u>TEST METHODS</u>	<u>SPECIFICATION</u>	<u>RESULTS</u>
Binder Content	18% minimum	19.33 %
Glass Bead Content	30 - 40%	30.32 %
Reflectance	Y 45% minimum	45.37
x	within chart limits	0.494
y	within chart limits	0.457
Softening Point	200° - 230° F	230 ° F
Impact Resistance	10 in. lbs. minimum	10.39 in. lbs.
Low Temp. Resistance	no cracks in 24 hrs.@ -9°C	no cracks
Specific Gravity	2.15 max.	1.81
Inert Filler	per manufacturer	NA
Flowability (4 hrs)	21% retained max.	10.20 %
Extended Flowability (8 hrs)	28% retained max.	10.22 %
Drying Time	< 2 minutes @ 50° F	<2 minutes
	< 10 minutes @ 90° F	<10 minutes

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