



# FUTURE LABS, LLC

Highway Safety Product Testing

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**REPORT:** The following report covers requirements for Road Marking Thermoplastic tested under methods in **AASHTO M-249** and the **Kansas Department of Transportation Section 2211 Thermoplastic Pavement Marking Material**.

**PRODUCT:** Potter's Yellow Road Marking Thermoplastic. **Batch: TD160404Y-1**  
**Product Code: ThermoDrop KS A RE Y 30i 70 TP1 BG**

**SAMPLE:** The sample tested was received on 10/27/2016.

<u>TEST METHODS</u>	<u>SPECIFICATION</u>	<u>RESULTS</u>
Binder Content	18% minimum	<b>22.89 %</b>
Glass Bead Content	30 - 40%	<b>33.49 %</b>
C.I. Pigment Yellow # 83	1.5 minimum	<b>1.50 % (assumed)</b>
Color - Y , after 4 hours @ 425° F	45% min.	<b>47.29 %</b>
D65/2 - x;y(without drop-on beads)	within the daytime color box	<b>x-0.4959; y-0.4608</b>
Softening Point	200° - 230° Fahrenheit	<b>211 ° F</b>
Impact Resistance	10 inch lbs minimum	<b>10.00 inch lbs</b>
Low Temperature Resistance	No Cracks in 24 hours @ -9°C	<b>No Cracks</b>
Specific Gravity	2.15 maximum	<b>1.92</b>
Inert Filler	Manufacturer's Option	<b>42.12 %</b>
Flowability (4 hrs)	21% retained maximum	<b>17.66 %</b>
Extended Flowability (8 hrs)	28% retained maximum	<b>20.93 %</b>
Drying Time	< 2 minutes @ 50° F	<b>&lt;2 minutes</b>
	< 10 minutes @ 90° F	<b>&lt;10 minutes</b>

Reported by:

  
Royce Bruce Dawson, Thermoplastics Lab Manager

Potter's MT(9764Y)KS-DOT.xls