



**CROWN
USA INC**

TuffLine®
White Alkyd Thermoplastic
Product No.: 16-WAX-BADA

TECHNICAL DATA SHEET

Material: TuffLine® White Alkyd Thermoplastic
Specification: Overland Park, Kansas

COMPOSITION*	WHITE	TUFFLINE® TYPICAL RESULTS
Alkyd Binder	18.0% min	18.8%
Glass Beads AASHTO M-247 Type 1	20 - 50%	30.7%
Titanium Dioxide	10.0% min	10.1%
Inert Fillers	42% max	40.4%
PHYSICAL CHARACTERISTICS*		
Retro-reflectivity	350 mcd min	375 mcd
Reflectance	75% min	81%
Federal Test Std. #595b color #17875	Match	Pass
Yellow Index	0.12 max	0.06
Water Absorption	< 0.5%	0.05%
Specific Gravity	1.80 - 2.15	2.09
Indentation Resistance	≥ 55	62
Impact Resistance	10 in lbs. min	11.0 in lbs.
Softening Point	102.5± 9.5°C	101.0°C
Cracking Resistance At Low Temperatures	No Cracks	Pass
Abrasion Resistance	< 0.5 g	0.1 g
Flowability	18% max	14%
Flowability-Extended Heating	28% max	22%
Drying Time	2 min @ 50±3°F 10 min @ 90±3°F	Pass Pass
Storage Life	One Year	Pass

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