

Columbia Coatings

# Technical Data Sheet

Columbia Coatings  
1173 Industrial Park Rd  
Columbia, TN 38401  
931-388-7730  
931-388-5573 FAX



**COLUMBIA**  
COATINGS

<b>Number:</b>	M1694073
<b>Name:</b>	Mystic Sapphire
<b>Type:</b>	TGIC

## Powder Properties

<b>Specific Gravity</b>	1.36 ( $\pm$ 0.05) g/cm <sup>3</sup>
<b>Storage Temp</b>	< 80°F (27°C)
<b>Theoretical Coverage</b>	141.39 ft <sup>2</sup> /lb. @ 1 mil
<b>Particle Distribution</b>	n/a

## Coating Properties

<b>Film Thickness</b>	Recommended Film Thickness: 2 – 3 mils
<b>Cure Schedule</b>	Metal Temperature: 10 minutes @ 400°F (204°C)
<b>Gloss Level</b>	90+% @ 60°
<b>Pencil Hardness</b>	H (ASTM D3363)
<b>Flexibility</b>	1/8" (ASTM D522) (Conical Mandrel)
<b>Adhesion</b>	100% (ASTM D3359)
<b>Direct Impact</b>	40/40 or better (ASTM D2794)
<b>Reverse Impact</b>	40/40 or better (ASTM D2794)
<b>Salt Spray</b>	1/16" creep @ 500 hrs. (ASTM B117)

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