CINQUASIA®
~~MONASTRAL®~~ RED Y RT-959-D
C.I. PIGMENT VIOLET 19
~~COLOUR INDEX NUMBER: 46500~~

INTRODUCTION

Cinquasia® ~~Monastral®~~ Red Y RT-959-D is a strong, intense, slightly blue and more transparent complement to Cinquasia® ~~Monastral®~~ Red Y RT-759-D. As with RT-759-D, it has excellent lightfastness, chemical resistance and heat stability that make it one of the most durable quinacridones for high quality automotive and industrial finishes.

APPLICATION

Cinquasia® ~~Monastral®~~ Red Y RT-959-D is used in solid red blends to produce intense colors with excellent durability. For example, its intensity and strength are valuable in making intense lead-free reds with benzimidazolone orange (Pigment Orange 36). These reds are highly pigmented to obtain opacity but also have high gloss and excellent durability. In blends with red iron oxide, the intensity and strength of RT-959-D allow the stylist to maintain color standards while improving opacity and lowering cost by adding more iron oxide.

The intensity and moderate transparency of Monastral® Red Y RT-959-D are desirable for certain metallic stylings. This is particularly important in color coat/clear coat applications where a balance between opacity and transparency is needed to achieve a rich side-tone effect while maintaining hiding in a thin film.

TYPICAL PROPERTIES OF ~~MONASTRAL®~~ CINQUASIA® RED Y RT-959-D

Color	Yellow Shade Red
Form	Dry Powder
Specific Gravity	1.48
Bulk Value	~~.081 gal/lb~~ (0.674 liters/kg)
pH	7.8
Oil Absorption	52.2
Moisture Content	0.8%

DURABILITY

After twelve months black box exposure in Florida at 5°S, ~~Monastral®~~ Cinquasia®, Red Y RT-959-D has durability both in red blends and in metallics similar to that of RT-759-D which has been established by two decades of outstanding performance in a variety of vehicle systems and with a variety of blending pigments. It is important to note that the slight change after 12 months exposure for the 50/50 metallic blends is an indicator of excellent light-fastness.

THERMOSETTING ACRYLIC ENAMEL
5°S FLORIDA BLACK BOX
12 MONTHS EXPOSURE

	Tint Quinacridone/ Ti-Pure® R-960 10/90	Red Blend Quinacridone/ Benzimidazolone Orange 50/50	Metallic Quinacridone/Al 90/10	Metallic Quinacridone/Al 50/50
RT-959-D	8F	9D	9F	7F
RT-759-D	8F	9D	9F	7F

On basis of 10-0 scale, where 10 = no change, 8 = slight change, 6 = considerable change, 0 = complete color loss, F = Fade, D = Darken.

HEAT RESISTANCE

Cinquasia® ~~Monastral®~~ Red Y RT-959-D has excellent heat stability and oven bake resistance and should be suitable in paint systems requiring typical baking schedules.

DISPERSION

Cinquasia ~~Monastral®~~ Red Y RT-959-D can be dispersed by sandmill, ballmill or attritor in most common vehicle systems. Suggested starting point pigment/ binder ratios are:

	Suggested Starting Point P/B Ratios
Sand Mill	0.5-0.9
Ball Mill	0.5-0.9
Attritor	0.7-1.3

OTHER PEFFORMANCE PROPERTIES

	Rating
Bleed Resistance - Overstripe	5
Humidity Resistance -	
Masstone	5
Red Blends	5
Chemical Resistance	5
Solvent Resistance	5

On the basis of 1 to 5 scale where 1 is poor and 5 is excellent.

* COLOR AND SUGGESTED USE AREAS

Color exhibits are provided to demonstrate basic color and color blending possibilities with ~~Monastral®~~ Cinquasia® Red Y RT-959-D. The exhibits illustrating color were prepared in a melamine crosslinked thermosetting acrylic enamel.

FRH:dm

5/18/81

KEY FOR REFLECTANCE VS WAVELENGTH GRAPH

Cinquasia® Red Y RT-959-D

A	5.0	RT-959-D / 95.0	TI-PURE® R-960	
B	15.0	RT-959-D / 85.0	BENZIMIDAZOLONE ORANGE	
C	80.0	RT-959-D / 20.0	PFIZER RED IRON OXIDE 3097	
D	56.0	RT-959-D / 22.0	RT-243-D / 22.0	PFIZER RED IRON OXIDE 3097
E	56.0	RT-959-D / 22.0	RT-887-D / 22.0	PFIZER RED IRON OXIDE 3097

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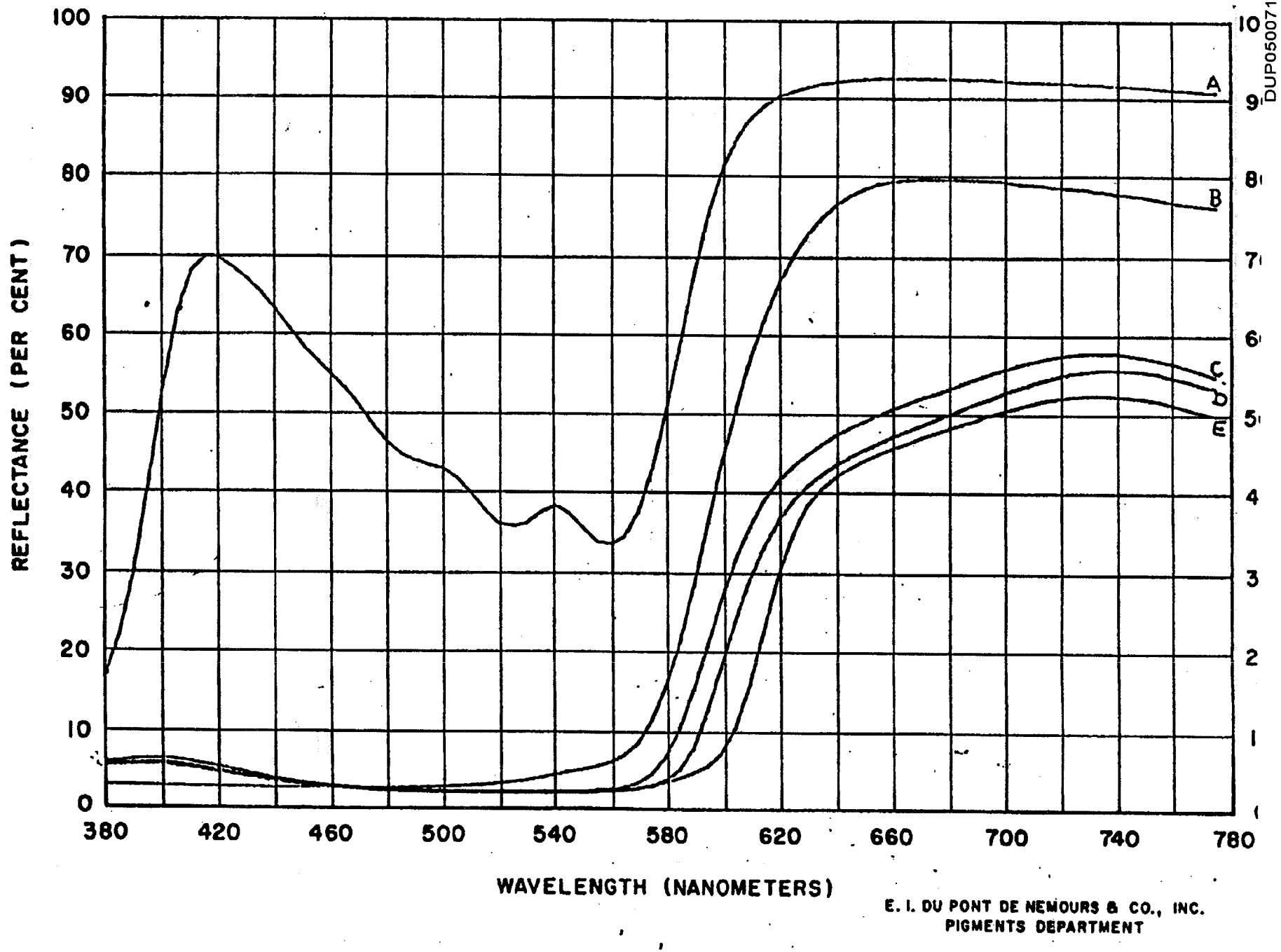

E. I. DU PONT DE NEMOURS & CO., INC.
PIGMENTS DEPARTMENT

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COLORS AND RECOMMENDATIONS FOR USE

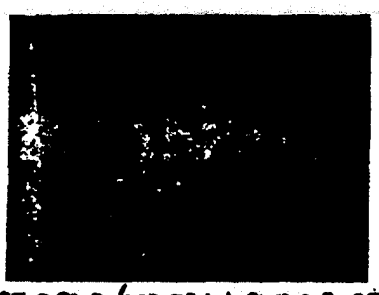
SOLID RED BLENDS



RT-959-D/RED IRON OXIDE 3097
80/20



RT-959-D/RED IRON OXIDE 3097
20/80



RT-959-D/RED IRON OXIDE 3097
50/50



RT-959-D/R.I.O.3097/BENZIMIDAZOLONE ORANGE
60/20/20

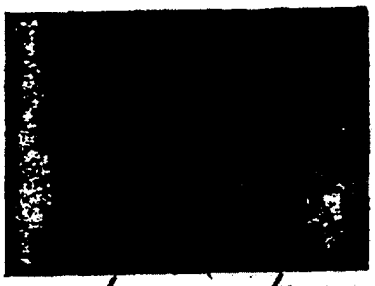


RT-959-D/RT-243-D/R.I.O. 3097
56/22/22

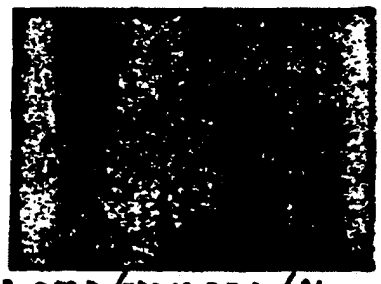


RT-959-D/RT-887-D/R.I.O. 3097
56/22/22

METALLIC COLOUR CONCEPTS



RT-959-D/TRANS. R.I.O./AL.
60/30/10



RT-959-D/TRANS. R.I.O./AL.
20/20/60

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INTRODUCTION

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APPLICATION

~~SEE TEXT~~



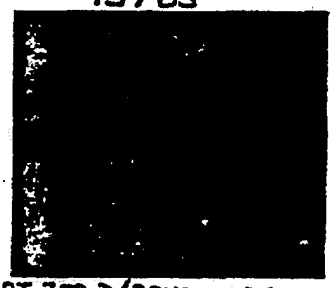
RT-959-D/Ti-PURE® R-960
5/95



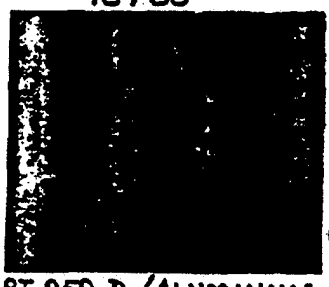
RT-759-D/Ti-PURE® R-960
5/95



RT-959-D/BENZIMIDAZOLONE ORANGE
15/85



RT-759-D/BENZIMIDAZOLONE ORANGE
15/85



RT-959-D/ALUMINUM
80/20

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