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# Oracet® Blue 640

## (Thermoplast® Blue 684)

### General properties

Chemical character	Anthraquinone
Colour Index Part I	S.V. 13
Colour Index Part II	60725
CAS Number	81-48-1
Physical form	Powder
Color shade	Blue

### Coloristic properties

Hue angle in PVC 1/3 SD	280
Chroma in PVC 1/3 SD	37.3
Red. ratio in PVC 1/3 SD	12.3

Hue angle in PVC 1/9 SD	275
Chroma in PVC 1/9 SD	31.7
Red. ratio in PVC 1/9 SD	32.1

Hue angle in PE-LD 1/3 SD	280
Chroma in PE-LD 1/3 SD	37.8
Red. ratio PE-LD 1/3 SD	13

Hue angle in PE-LD 1/9 SD	277
Chroma in PE-LD 1/9 SD	32.4
Red. ratio in PE-LD 1/9 SD	31.3

Ease of dispersion	< 10
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Weather fastness	see diagram
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### Heat stability in 1/3 S with 2% TiO<sub>2</sub>

PS	300 °C
SAN	300 °C
PMMA	300 °C
PC	340 °C
ABS	270 °C
ASA	280 °C
SB	300 °C

1/3 SD = an opaque coloration in 1/3 standard depth of shade

**Light fastness in 1/3 SD**

PS	5
SAN	5
PMMA	6
PC	6-7
ABS	4-5
ASA	5-6
SB	5
PVC-U	6-7

1 = lowest light fastness, 8 = highest  
 d = shade darkens on exposure

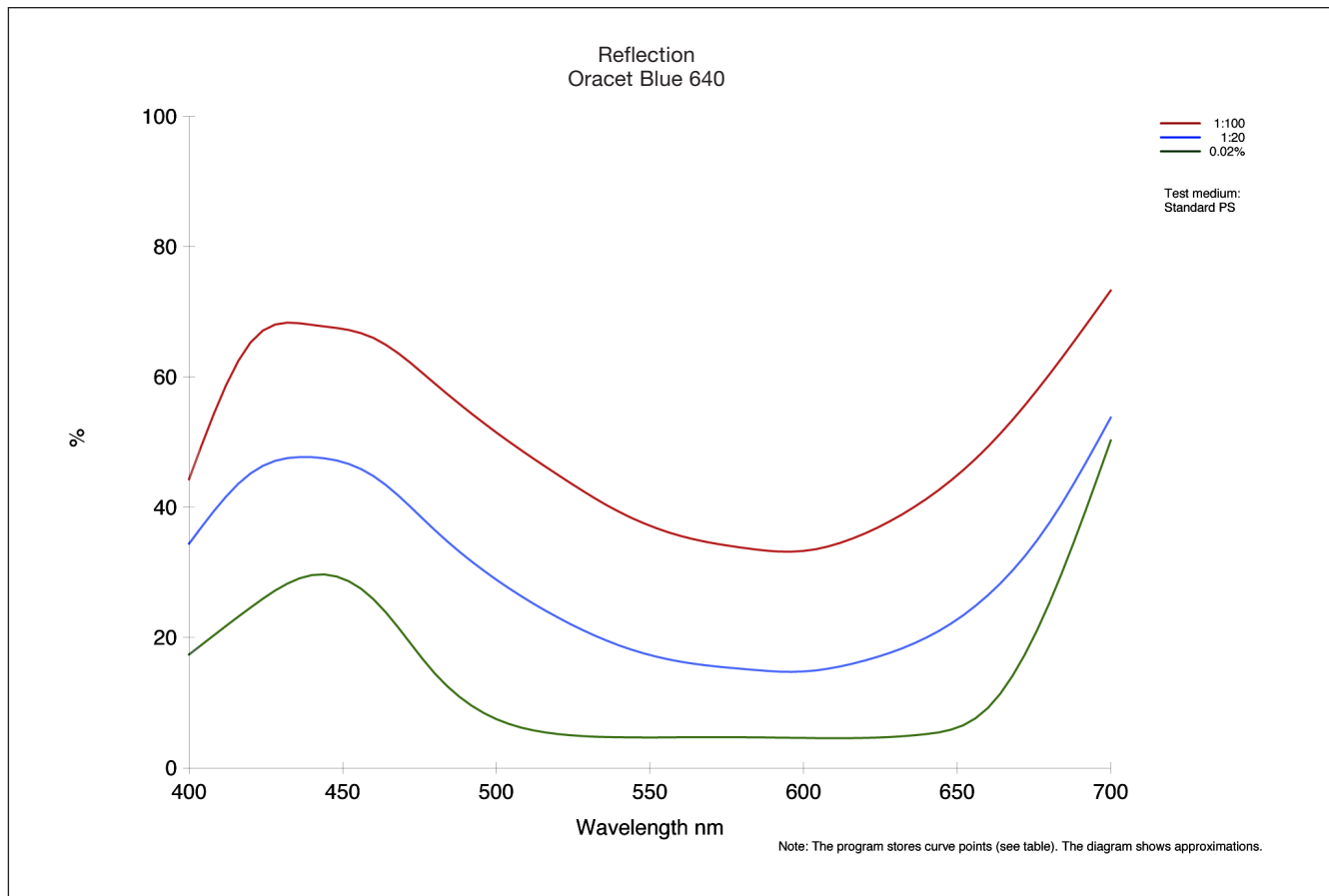
**Fastness to weathering in 1/3 SD**

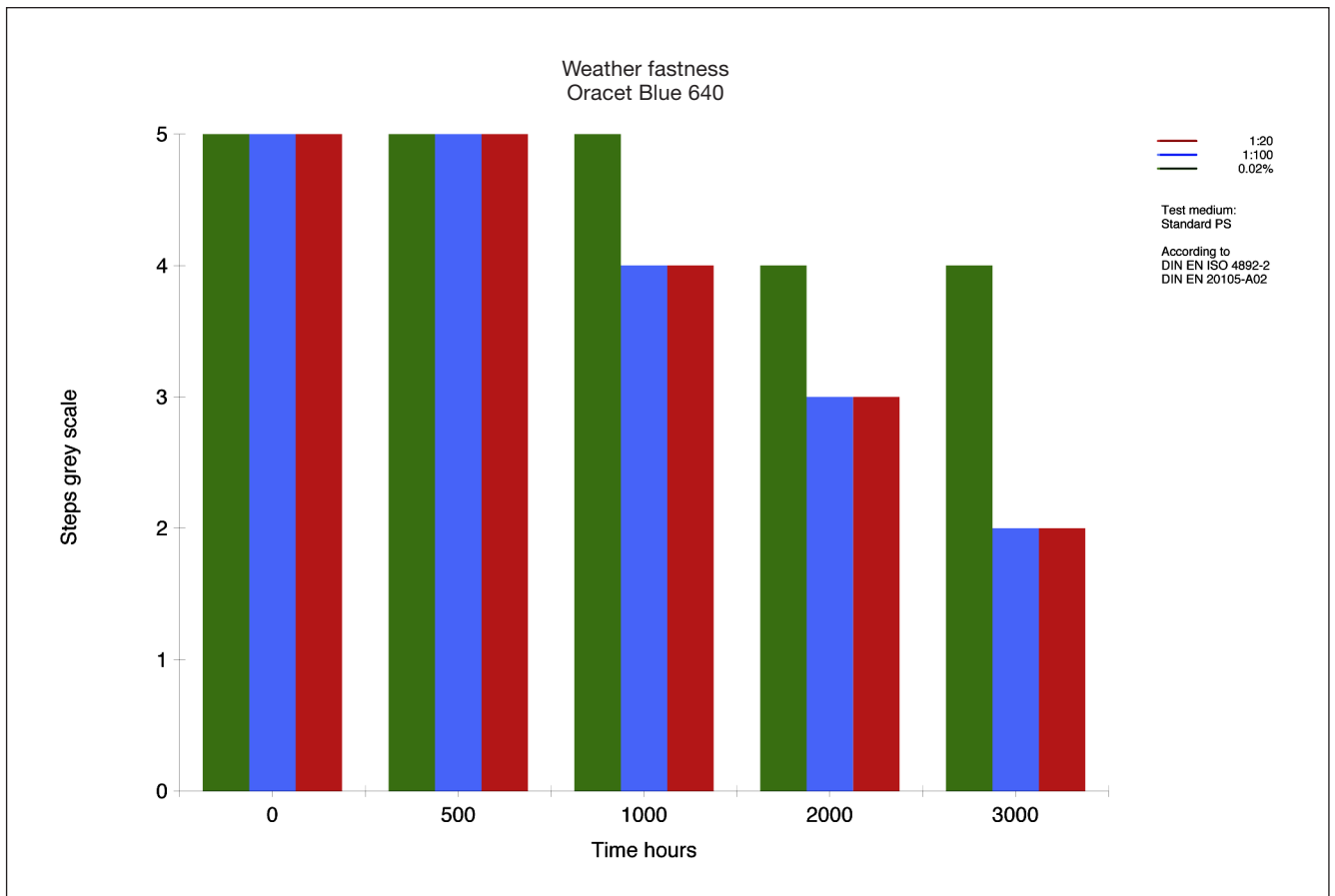
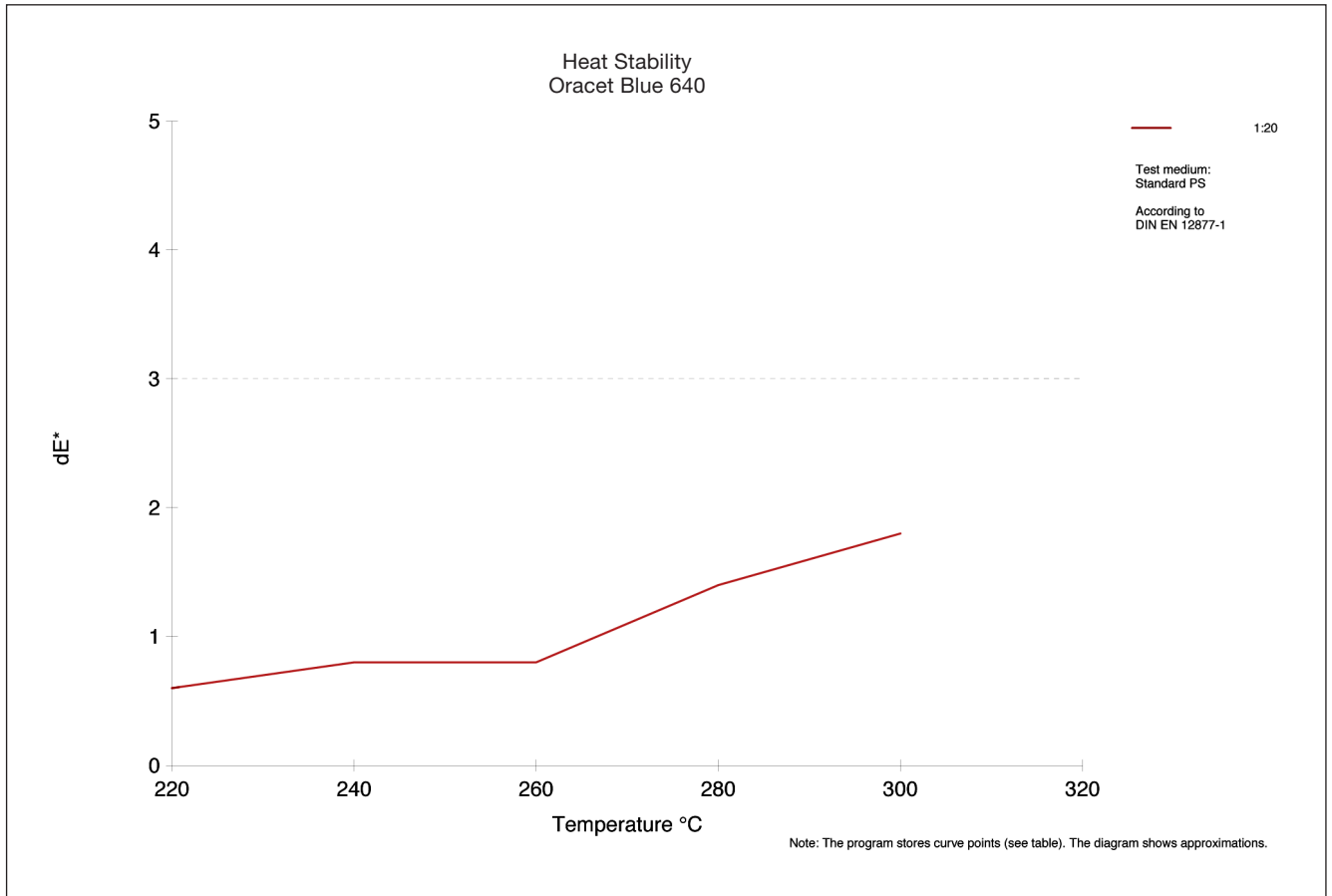
PS	3
SAN	3-4
PMMA	4
PC	3-4
ABS	3
ASA	3-4
SB	3
PVC-U	4

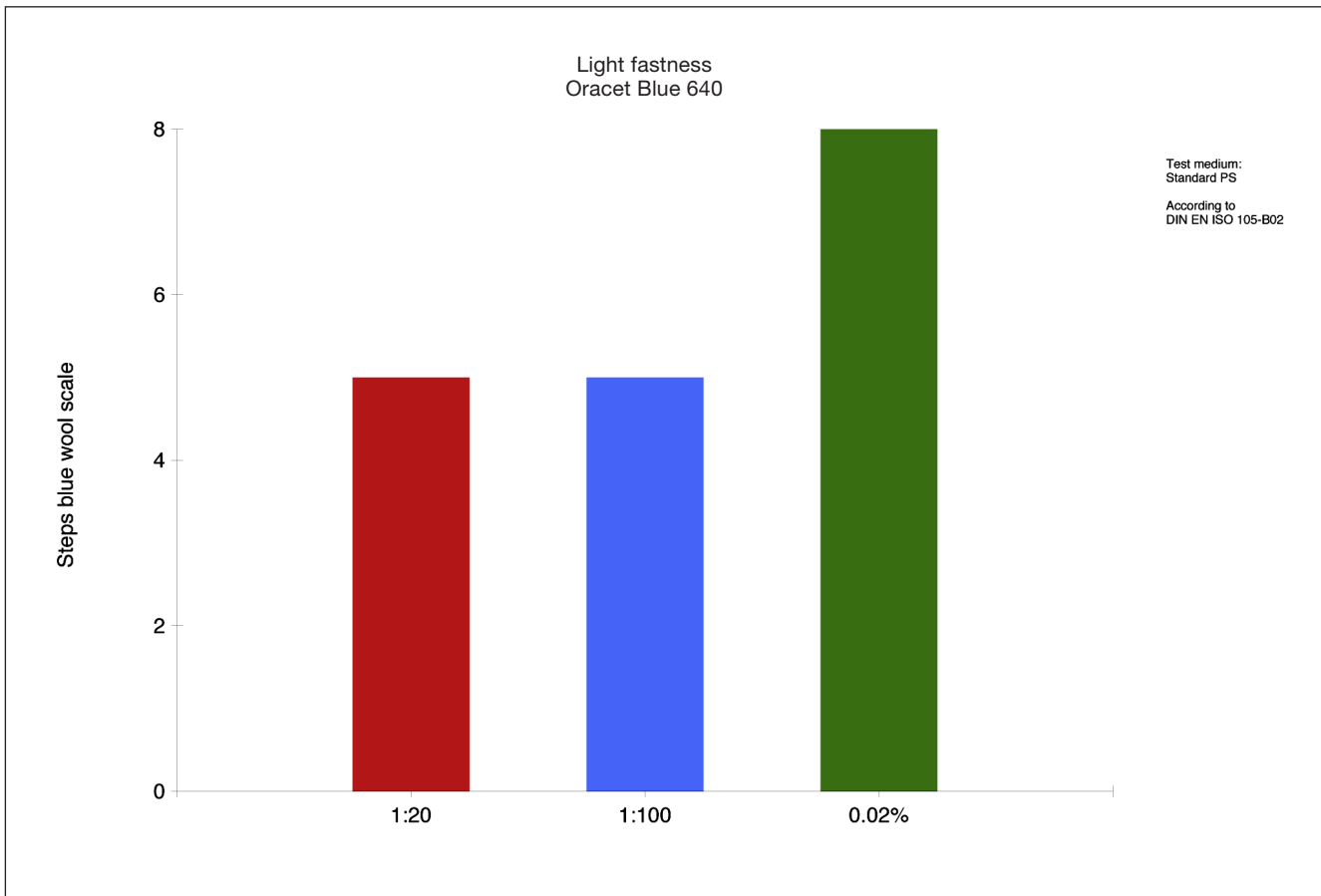
1 = lowest fastness to weathering, 5 = highest

**Recommendations for applications**

PVC-U	suitable
PS	suitable
SAN	suitable
ABS	suitable
PMMA	suitable
PC	suitable
UP	suitable





**Note**

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