

PRODUCT DESCRIPTION	
<b>Super-dispersible, transparent, colour-rich pigment preparation</b>	
Color Index	Pigment Yellow 83
C.I. No.	21108
Chemical Type	Diarylide Yellow
CAS No.	5567-15-7





FIELDS OF APPLICATION
<ul style="list-style-type: none"> <li>• Ease of dispersion enhances productivity</li> <li>• Metallic base coats in industrial paints</li> <li>• Solid colours in industrial Paints</li> <li>• Candy tone finishes for two wheeler</li> <li>• UV cure coatings</li> <li>• Liquid inks</li> </ul>

OPTICAL PROPERTIES
<ul style="list-style-type: none"> <li>• High transparency</li> <li>• Rich chroma</li> <li>• High gloss</li> <li>• Low haze</li> <li>• High opacity on light-coloured undercoats</li> <li>• Low dulling and graying upon intermixing with other Monolite TR preparations</li> </ul>

SUITABLE RESIN SYSTEMS
Alkyd-melamine, polyester-melamine, thermosetting acrylic, acrylic-urethane

LOADING
<ul style="list-style-type: none"> <li>• Dispersion at 2~5 % loading of in a suitable resin provides a rich bluish red colour with excellent transparency for attractive candy effect when applied over silver base coat.</li> <li>• Solid colour with 6-10% loading shows excellent opacity over light undercoats to provide rich, haze free and high gloss finish.</li> </ul>

LIGHT FASTNESS
PY 83 is a light fast pigment. The weather fastness in the intended paint system needs to be evaluated prior to use.

FULL TONE (Over B/W)	REDUCTION (1:10)
	
	

TECHNICAL DATA		
Physical Appearance	Yellow solid granules	
Density	1.2-1.4	DIN EN ISO 787-10

DISPERSION PROPERTIES
<ul style="list-style-type: none"> <li>• Dispersibility :- Easily dispersible in most resins with Cowles disperser after a soaking period. One sand mill pass may be required in some resins for maximising the transparency and richness of colour.</li> <li>• Dispersion stability:-Paints based on Monolite TR Preparations show excellent stability of dispersion during shelf life as also during circulation in typical paint shop systems.</li> <li>• Co- dispersion without dispersant:-This preparation can be co-ground with other normal powder pigments in media mills without any need for dispersing agent at all.</li> </ul>

CLEAN COLOURS BY INTERMIXING
Due to their very fine particle size, these preparations upon intermixing to produce desired colour, show much less graying and dulling compared to the standard powder pigments.

HEAT FASTNESS
Suitable for baking finishes

OVERCOATING FASTNESS
Thermosetting acrylic coat pigmented with Monolite TR - Yellow 301 PREPARATION when over coated with white topcoat and baked shows negligible pigment migration.