

DayGlo Gem-Tone GC-19F Sapphire Blue

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

Material Notes:

Gem-Tone™ Sapphire Blue is a rich blue colorant intended for use in clarified polypropylene. Clean, haze free, non-warping color formulations can easily be achieved with the use of this colorant. No blooming, migration or plateout problems will be seen with Gem-Tone colorants. These materials can be incorporated into polyolefin resins at levels as low as 0.05% and can be increased to higher levels to achieve the desired effect. Gem-Tone GC-19F Sapphire Blue is FDA approved for use in PP at levels NTE 0.1%.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DayGlo-Gem-Tone-GC-19F-Sapphire-Blue.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	
Bulk Density	0.449 g/cc	0.0162 lb/in ³	
Oil Absorption	46 %	46 %	
Particle Size	20 - 80 µm	20 - 80 µm	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Softening Point	110 - 135 °C	230 - 275 °F	
Glass Transition Temp, Tg	103 °C	217 °F	
Decomposition Temperature	315 °C	599 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	>= 177 °C	>= 350 °F	

Descriptive Properties	Value	Comments
λmax	596nm	Abs. = 21000
	644nm	Abs. = 23000

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