

NuTONETM SERIES

NuTone series of grades has been developed to provide excellent colour, gloss and good dispersion.

Designed to suit variety of applications like offset inks, liquid inks, inkjet inks, coatings, adhesives and sealants.

Each Grade is carefully formulated to meet the application needs with respect to colour strength, gloss, viscosity, stability and dispersion.

Morphology of NuTone is optimized to improve the performance at the end user.

Provide excellent solution for explicit control of the product quality.

RELATIONSHIP WITH PROPERTIES

PARTICLE SIZE		
LARGE (PARTICLE SIZE)	PROPERTIES	SMALL (PARTICLE SIZE)
Lighter	Masstone	Darker
Weaker	Tinting Strength	Stronger
Blue	Tinting Undertone	Brown
Easier	Pigment Dispersibility	Harder
Lower	UV Protection	Higher

STRUCTURE		
HIGH (STRUCTURE)	PROPERTIES	LOW (STRUCTURE)
Lower	Pigment Loading	Higher
Easier	Pigment Dispersibility	Harder
Lower	Gloss	Higher
Slightly Weaker	Colour	Slightly Stronger
Blue	Tinting Undertone	Brown

NuTONETM



◆ Superior Dispersion Grades for Inks & Coatings ◆

Viscosity



COLOUR PERFORMANCE

Relative colour of two samples can be described by their positions along L, a, b axes. In masstone applications, the level of blackness (jetness) and undertone produced by carbon black are affected by several parameters related to carbon black properties and dispersion quality, both of which influence light absorption (jetness) and scattering (undertone) characteristics.



Grade	TYPICAL VALUES				Publication Sheet-fed / Letterpress	Heat set	Cold set	Liquid Inks (Flexo/Gravure) Solvent based	Liquid Inks (Flexo/Gravure) Water based	Screen Printing	UV curing Inks	Aqueous Inkjet Inks	Pigment paste	Toners	Industrial Coatings	Powder Coatings	PVC Coatings	Coil Coatings	Food Coatings	Adhesives & Sealants
	NSA	OAN	Tint Strength	pH value																
	ASTM No	D6556	D2414	D3265																
Unit	m ² /g	ml/100g	Tint unit	pH unit	INKS										COATINGS					
NuTone 302	109	99	105	8																
NuTone 303	80	68	115	8	●	●	●		●								●			
NuTone 305	118	112	112	8										●		●				●
NuTone 306	82	112	102	8									●							●
NuTone 310	63	45	102	8	●	●		●												
NuTone 324	75	72	111	8			●		●	●							●			
NuTone 373	135	56	130	8				●	●		●	●		●		●				
NuTone 36*	104	95	125	3	●						●			●		●		●		
NuTone 37*	95	60	126	3	●						●			●		●		●		
NuTone 98*	34	95	65	3										●				●		

● Recommended ● Can be used *Treated black



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