NµTONE 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.

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							

Tinting Undertone

Slightly Stronger

Brown

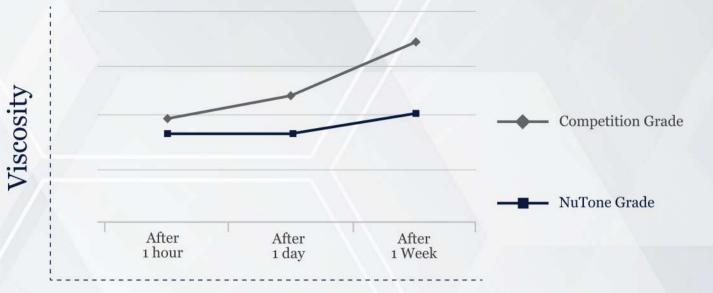


◆ Superior Dispersion Grades for Inks & Coatings ◆

		TYPICAL VALUES			SS			vure) ed		
PROPERTIES & APPLICATIONS	Grade	NSA	OAN	Tint Strength	pH value	Publication Sheet-fed / Letterpress	Heat set	Cold set	Liquid Inks (Flexo/Gravure) Solvent based	
	ASTM No	D6556	D2414	D3265	D1512					
	Unit	m²/g	ml/100g	Tint unit	pH unit					
	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					
	Recommende	d	•	Can be use	d	*Tr	eated blac	k		

Slightly Weaker Colour





Time Interval

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.



