



410 Carbon Black

Description: 410 is a smaller particle size, low cost granular carbon black. It is the most jet of our low cost carbon blacks however, it has the highest viscosity.

Chemical Type	Carbon Black	Constitution No.	77266
Color Index	Pigment Black 7	CAS No.	1333-86-4

Typical Chemical and Physical Properties

Iodine Absorption Number (g/kg)	111 - 125
DPB Absorption (cc/100g)	71 – 79
Surface Area (cm²/g)	102 - 112
Tinting Strength (%)	102 - 130
Particle Size (nm)	20
Heat Loss (% Max.)	2.5
Residue (150 mesh) (% Max.)	0.02
Tensile Strength (compared with SRB2#) (Min)	-0.50
Extension % (compared with SRB2#) (Min)	(+) 20
Modulus at 300% (Mpa) (compared with SRB2#)	-4.20 – 7.4
Ash Content (% Max.)	0.5
Moisture Content (% Max.)	1.50

Applications

Plastics	Coatings	Inks	Other
PVC <input checked="" type="checkbox"/>	Decorative <input checked="" type="checkbox"/>	Water Flexo	Paper
PE <input checked="" type="checkbox"/>	Automotive/Aerospace	Solvent Flexo <input checked="" type="checkbox"/>	Rubber
PP <input checked="" type="checkbox"/>	Industrial <input checked="" type="checkbox"/>	InkJet	Finger Paints
PS <input checked="" type="checkbox"/>	Powder <input checked="" type="checkbox"/>	UV	Seed Coatings
PET		Offset	
Fiber			

Not Frequently Used Limited Recommended

Comments: 410 is particularly suitable for coatings, plastics requiring excellent UV properties, and solvent based inks.

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