

Carbon Blacks | AUTO COAT

Pigment Blacks in Powder Coatings

Physical Form	Black Powder
Appearance	Pure Jet Black
Specific Gravity	1.48 Gm/cc
Oil Absorption	395 GM/100GM
Mass Tone	Comparable to std.
Reducing Strength	Comparable to std.
Blackness Value My	281
Tinting Strength IRB 3 = 100	112 %
Coarse Particles	N/A
Loss on Heating	Comparable to std.
Volatile Matter at 950 °C	18
Ash Content	0.02

Typical Physio Chemical Properties

Sieve Residue	
325 Mesh (%)	0.0400
35 Mesh (%)	0.0000
Iodine Number (mgm/gm)	82
Surface Area	

Nitrogen Absorption (sqm/gm)	83
CTAB Absorption (sqm/gm)	82
Tint % of ITRB	102
DBP Absorption (m/100mg.)	
As Recd	107
24 M 4	89
Pour Density (gms/lit.)	389
Toluene Discolouration	93.097

Typical Vulcanizer Properties

(ASTM D3192 D 412) Difference from (RB No.5)

Cure at 145 degrees C mins.	15	30
Modulus At 300% Elongation (kg/sq.cm)	-2	-3
Tensile Strength (kg/sq.cm)	-8	-3

Jetness levels in an epoxy resin powder coating with comparative pigment blacks (1.1% [WJC1])

Tinting Strength

High Tinting strength compared to all other Pigment Blacks

Jetness

Oxidized gas black of fine particle size with high jetness

Undertone

Pronounced undertone

Mass Tone Coloring

Recommended & successfully used for Mass Tone Application

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