



BLACK DIAMOND MATERIAL SCIENTECH PTE LTD

# TECHNICAL DATASHEET

<b>PRODUCT NAME:</b>	CARBON BLACK
<b>GRADE:</b>	Teknoir <sup>®</sup> i5
<b>COLOR INDEX:</b>	PIGMENT BLACK 7
<b>CAS NO.:</b>	1333-86-4
<b>EINECS NO.:</b>	215-609-9

Properties	Data	Standard Regulation
<b>Bet Surface Area (m<sup>2</sup>/g)</b>	60±5	ASTM/D6556
<b>DBP Absorption (Cc/100g)</b>	40±3	ASTM/D2414
<b>Tint Strength Vs Irb#3 (%)</b>	102±5	ASTM/D3265
<b>Loss Of Heating (Max%)</b>	≤1.0	ISO1126
<b>Ash Contents (Max%)</b>	≤1.0	ASTM/D1506
<b>Volatile Content (%)</b>	≥0.5	DIN 53552
<b>Residues On 45µm (Ppm Max%)</b>	≤50	ISO 1437
<b>pH</b>	8.5±1	ASTM/D1512
<b>Physical Form</b>	Powder	Visual inspection

**\*RECOMMEND APPLICATION:** Flexographic ink.Gravure Ink.etc

**\*Packing:** 20kgs 3-ply paper bags of Powder form on wood pallet

**\*Loading Volume of 1 X 20'FCL:** 12mt in 20kgs paper bags of Powder form

Note: This data is provided for reference only, detailing basic physicochemical properties of the product. Final performance must be tested and adjusted according to your intended application.

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