

SUN PETROCHEMICALS

Company Overview

Overview

- Sun Petrochemicals produces, markets and distributes various grades of acetylene carbon black
- The production process is based on the thermal decomposition of acetylene gas.
- Sun petrochemicals has recently diversified to the upstream hydrocarbon business through our new division 'Sun Oil & Natural Gas' (SONG).

Our Promoters

Sun Petrochemicals Private Limited is an associate company owned by the promoters of Sun Pharmaceutical Industries Limited.

Sun Pharma has:

- A presence across 150 markets around the world.
- 45 manufacturing sites.
- Sales of USD 4.2 billion and market capitalisation of USD 38 billion in March 2015

Our Product

- Our acetylene carbon black is manufactured from the purest form of feed stock acetylene gas. The highly automated process and instrumentation at our plant offers consistent end product without variation
- Our product shows higher absorption and excellent electrical and thermal conductivity values.
- Our product finds use in batteries, semi-conductive rubber and polymer compounds, conductive tapes, tyre curing bladders , Lubricants, additives and other conductive applications.

Product Grades

- Sun Petro's ACB is available in the following grades
- 50%
- 75%
- 100%
- Ultra High Density
- Granulated form

Product Specifications (Powder)

Grades	Test Methods	50%	75%	Ultra High Density	100%
<i>Appearance/Physical State</i>	-	<i>Black powder</i>	<i>Black powder</i>	<i>Black powder</i>	<i>Black powder</i>
<i>Bulk Density (gm /lit)</i>	<i>IS 12178</i>	<i>50 – 90</i>	<i>90 – 110</i>	<i>130 -150</i>	<i>160 – 230</i>
<i>Ash Content (% w/w)</i>	<i>IS 12178</i>	<i>Max 0.2</i>	<i>Max 0.2</i>	<i>Max 0.2</i>	<i>Max 0.2</i>
<i>Moisture (% w/w)</i>	<i>IS 12178</i>	<i>Max 0.4</i>	<i>Max 0.4</i>	<i>Max 0.4</i>	<i>Max 0.4</i>
<i>Coarse Particle (% w/w)</i>	<i>IS 12178</i>	<i>Max 0.04</i>	<i>Max 0.04</i>	<i>Max 0.04</i>	<i>Max 0.04</i>
<i>Acetone Absorption value (ml/5gm)</i>	<i>IS 12178</i>	<i>Min 27</i>	<i>Min 23</i>	<i>Min 19</i>	<i>Min 19</i>
<i>pH</i>	<i>IS 12178</i>	<i>6 – 8</i>	<i>6 – 8</i>	<i>6 – 8</i>	<i>6 – 8</i>
<i>Electrical Resistivity (Ohm-cm)</i>	<i>IS 12178</i>	<i>Max 0.25</i>	<i>Max 0.25</i>	<i>Max 0.25</i>	<i>Max 0.25</i>
<i>HCL Absorption (ml/5gm)</i>	<i>IS 12178</i>	<i>Min 22</i>	<i>Min 20</i>	<i>Min 19</i>	<i>Min 19</i>
<i>Surface Area (m2/g)</i>	<i>ASTM D 3765</i>	<i>83.87</i>	<i>80.36</i>	<i>78.31</i>	<i>77.38</i>
<i>Iodine Absorption (mg/g)</i>	<i>ASTM D1510</i>	<i>105</i>	<i>98</i>	<i>96</i>	<i>96</i>

Product Specifications (Granules)

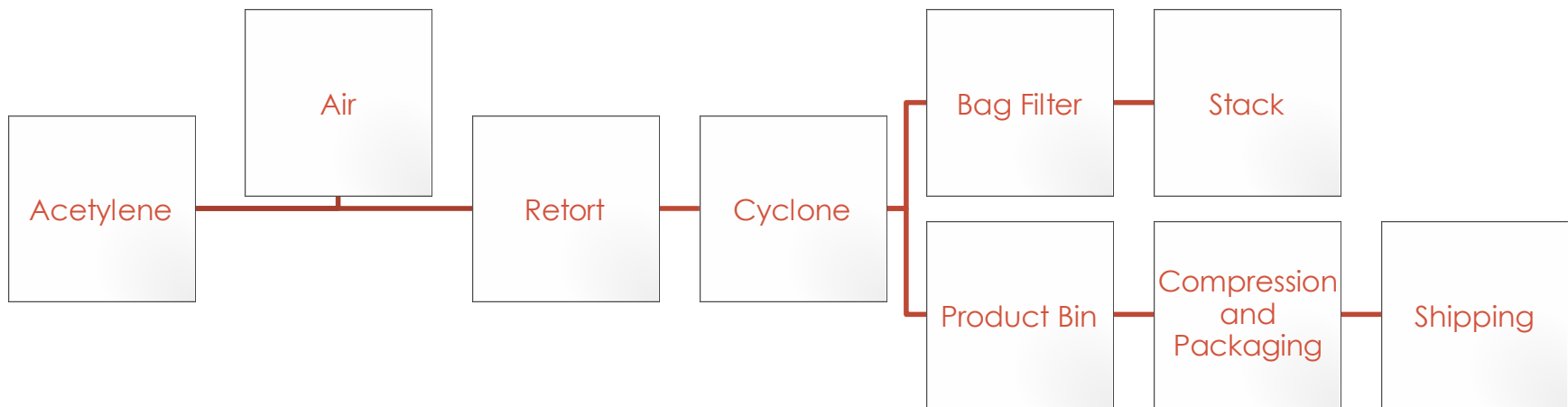
Test Parameters	Test Methods	Specification
<i>Appearance /Physical state</i>	-	<i>Black granules</i>
<i>Apparent Density (gm/ml)</i>	<i>IS 12178</i>	<i>0.21-0.26</i>
<i>Moisture as shipped (%)</i>	<i>IS 12178</i>	<i>Max 0.5</i>
<i>Ash (%)</i>	<i>IS 12178</i>	<i>Max 0.05</i>
<i>pH</i>	<i>IS 12178</i>	<i>6-10</i>
<i>Pallet hardness or crushing strength (gf)</i>	<i>ASTM D 5230</i>	<i>Max 5.0</i>
<i>Sieve Residue (% 325 US Std Sieve) (%)</i>	<i>ASTM D1514</i>	<i>Max 0.001</i>
<i>DBP Absorption (ml/100gm)</i>	<i>ASTM D2414</i>	<i>180-220</i>
<i>Iodine Absorption (mg/g)</i>	<i>ASTM D1510</i>	<i>86-101</i>
<i>Fines (%)</i>	<i>ASTM D-1508</i>	<i>Max 7.0</i>

Packaging

- Our ACB is typically packed in 10-kg standard packing sizes, however alternate compressions can be made available to meet the specific demands of our valued customers
- We use specialised Kraft paper with HDPE lamination, offering unique strength to our bags even in adverse handling conditions as well as assurance of maintaining moisture within specified limits even during humid environments

Manufacturing Facilities

- The plant and production process is ISO 9001 and ISO 14001 certified
- The production process is monitored through a high degree of instrumentation, including a state-of-the-art Distributed Controlled System (DCS)
- The plant uses 99% pure acetylene gas feed from gas cracker



Quality Assurance and Quality Control

- In House QA/QC department
- Raw material purity monitoring
- Finished goods quality and consistency monitoring

Research and Development

- Separate R&D wing at the factory involved in constant up-gradation of product characteristics to meet customer requirements

Customer Care

- 60% of our sales come from companies who have been our customers since our inception in 1999.
- Efficient customer support system for back-up and documentation
- Due to our R&D capabilities we are able to offer product characteristics to meet different customer demands

Contact Information

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