

## Technical Data Sheet

### Sahara C 105 IM

Sahara C 105IM is a nucleated heterophilic copolymer, used in injection molding applications. This grade exhibits good stiffness, high impact strength and contains antistatic agent. Potential applications include pails, luggage, toys, crates, houseware, and two-wheeler molded parts.

<b>Status</b>	:	Developmental
<b>Application</b>	:	Pails, Crates, Plastic Pallets
<b>Market</b>	:	Automotive; Consumer Products; Rigid Packaging
<b>Attribute</b>	:	Contains Antistatic; Medium Flow; Nucleated

To enquire, Visit: [www.jitsy.in](http://www.jitsy.in)

Typical Properties	Test Method	Nominal Value	Unit
<b>Physical</b>			
Density	ISO 1183-1	0.90	g/cm <sup>3</sup>
Melt flow rate (230°C/2.16kg)	ISO 1133-1	10.5	g/10 min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1080	MPa
Tensile Stress at Yield	ISO 527-1, -2	22	MPa
Tensile Strain at Yield	ISO 527-1, -2	6.5	%
<b>Impact</b>			
Charpy Impact Strength - Notched (23 °C, Type 1, Edgewise, Notch A) (0 °C, Type 1, Edgewise, Notch A) (-20 °C, Type 1, Edgewise, Notch A)	ISO 179	47	kJ/m <sup>2</sup>
	ISO 179	7.3	kJ/m <sup>2</sup>
	ISO 179	5	kJ/m <sup>2</sup>

#### Notes:

Typical properties; not to be construed as specifications.

Users should review the applicable Material Safety Data Sheet before handling the product.

Before using a product sold Sahara Marketing Company, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; express or implied (including any warranty of merchantability or fitness for a particular purpose or any warranty) other than as separately agreed to by the parties in a contract.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II Medical Devices; Health Canada Class II or Class III Medical Devices; European

To enquire, Visit: [www.jitsy.in](http://www.jitsy.in)



