

## Material Data Sheet - PET Flakes (Clear)

| Specification                  | Values        | Unit | Test Method |
|--------------------------------|---------------|------|-------------|
| Colour                         | Clear         |      |             |
| Delivery form                  | Flakes        |      |             |
| Intrinsic Viscosity (iV-Value) | 0.72 +/- 0.03 | dl/g | ASTM D4603  |

| Mechanical Characteristics |            |                   |            |
|----------------------------|------------|-------------------|------------|
| Flakes size                | 3 -12      | mm                |            |
| Bulk Density               | 300 +/- 50 | kg/m <sup>3</sup> | ASTM D1895 |

| Physical / Chemical Characteristics |          |                   |            |
|-------------------------------------|----------|-------------------|------------|
| Moisture                            | < 1.00   | %                 | ASTM D6980 |
| Specific weight                     | ~ 1.35   | g/cm <sup>3</sup> |            |
| Melting point                       | app. 250 | °C                | ASTM D3418 |

| Purity Values                      |                |            |                          |
|------------------------------------|----------------|------------|--------------------------|
| Metal                              | < 5            | ppm        |                          |
| Paper                              | < 10           | ppm        |                          |
| Polyolefins                        | < 10           | ppm        |                          |
| PVC                                | < 20           | ppm        |                          |
| Other (glass, wood, stone, etc)    | < 10           | ppm        |                          |
| PET Flakes with glue               | < 2000         | ppm        | (Incl. Weight of Flakes) |
| PET Dust                           | < 1            | %          |                          |
| PET Flakes light blue              | < 50           | ppm        |                          |
| <b>Total non-PET Contamination</b> | <b>&lt; 50</b> | <b>ppm</b> |                          |

| Packaging           |                                     |
|---------------------|-------------------------------------|
| Big Bags on pellets | Approx 1150 kg (2.4m x 1.1m x 1.1m) |

| Purity values   |
|---|
| PET Flakes are strictly made out of post-consumer PET Bottles. More than 95% of our PET comes from water and soft drink bottles. These values are guidelines, which are valid for an average load (20 Big Bags) and can range within the given limits. All of our flakes are sieved rigorously for below 2 mm particle removal and this helps in getting increased screen life on the screen changer. |

Suitable Applications:

- Bottle to Bottle Grade
- PET Sheet Grade

*Disclaimer: The data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied is made regarding performance or otherwise.*