

Note: The information on this PET Data Sheet is given to the best of the manufacturer's knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. OCTAL Petrochemicals LLC FZC reserves the right without notice to alter or change the contents of this PET Data Sheet.

OCTAL Petrochemicals LLC FZC revised August 2013. THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.

SALES SPECIFICATIONS

PRODUCT DESCRIPTION

OCTAL PET GP 01

Polyethylene Terephthalate (PET) Polymers – Copolymer

OCTAL PET resin is produced using the latest state-of-the-art 2R direct high I.V. technology. This advanced technology ensures that the properties and quality of PET resin are superior with low crystallinity and low AA generation, making it the preferred choice for a number of applications.

OCTAL GP 01 is suitable for a variety of applications including water, carbonated soft drinks, alcoholic beverages, edible oils, and pharmaceutical containers. The resin is designed and engineered to provide high dimensional strength and mechanical properties. The low crystallinity and heat of fusion of the resin, provides unique advantages of low residual acetaldehyde generation in injection molding and also lower energy for conversion into bottles. The spherical pellets of the resin ensures smooth conveying in long pipelines with near zero fines generation. The uniform spherical surface allows for easy flow of air around the PET pellets and helps in consistent drying at lower temperatures, saving valuable energy.

OCTAL PET GP 01 copolymer resin is considered safe for food packaging applications based on all compliance to USA FDA regulation CFR 21 section 177.1630, EU regulation 10/2011, EC Directive 94/62/EC and the CONEG regulations (USA/CANADA) for heavy metal content.

TYPICAL PROPERTIES

| Property | Unit | Value | Test method |
|--------------------------------|------|-------------|-------------|
| Intrinsic Viscosity | dl/g | 0.80 ± 0.02 | OCTAL – 001 |
| Moisture Content (when packed) | wt% | 0.1 max. | OCTAL – 002 |
| Acetaldehyde | ppm | 1.0 max. | OCTAL – 003 |
| Colour CIE LAB | | | |
| L | | 82.0 min. | OCTAL – 004 |
| b | | 0.5 max. | |
| Melting Point | °C | 247 ± 2 | OCTAL – 005 |
| Fine Particles | ppm | 100 max. | OCTAL – 006 |
| Weight of 100pcs chips | gm | 1.6 ± 0.2 | OCTAL – 007 |

WARRANTY

OCTAL warrants its products compliance to quality specifications and related regulatory requirements specified in detail in its publications. No other warranty, either expressed or implied, regarding the suitability of the product for any particular purpose is made. Buyers must make their own determination about safety, health, environment protection and suitability of use for their intended purpose. No warranty is made of the merchantability or fitness of any product and nothing herein waives any of the seller's conditions of sale.

