

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 RH 03

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 RH 03 is suitable for a variety of applications including carbonated soft drinks, alcoholic beverages, and edible oils 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. OCTAL PET RH 03's unique formula, quickens the IR absorption in the oven of reheat blow molding systems and reduces the heating time in the blowing process, thus saving energy. The improved heat absorption and heat retention also optimizes the flow of polymer into intricate sections of the blow mold allowing replication of fine designs of the mold. 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 RH 03 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	0.84 ± 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 b		76.0 min. -0.5 max.	OCTAL – 004
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.

