



PET RESIN Data Sheet

OCTAL PET GP01

Office PO Box 3786, Ruwi 112, Sultanate of Oman. Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description OCTAL PET products are produced by the latest state-of-the-art technology involving 2R direct high IV process. This advanced technology, ensures that the properties and quality of PET resin are superior including low crystallinity and low AA generation, thus making it the preferable product for a number of applications.

OCTAL PET GP01 Is a food grade PET copolymer resin most suitable for a variety of applications including water, carbonated soft drinks, alcoholic beverages, hot fill, oil containers and pharmaceutical material packaging. This resin is developed and engineered to extend high dimensional strength and mechanical properties. The low degree of crystallinity and heat of fusion are some of the great advantages of OCTAL PET GP01 to save energy and regeneration of acetaldehyde during the downstream processing. Its application is also suitable for heat set blow molding used for warm fill materials.

OCTAL PET GP01 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

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		84.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	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 publication. 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.

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PET RESIN Data Sheet

OCTAL PET GP02

Office PO Box 3786, Ruwi 112, Sultanate of Oman. Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description OCTAL PET products are produced by the latest state-of-the-art technology involving 2R direct high IV process. This advanced technology, ensures that the properties and quality of PET resin are superior including low crystallinity and low AA generation, thus making it the preferable product for a number of applications.

OCTAL PET GP02 Is a food grade PET copolymer resin most suitable for a variety of applications including water, carbonated soft drinks, alcoholic beverages, hot fill, oil containers and pharmaceutical material packaging. This resin is developed and engineered to extend high dimensional strength and mechanical properties. The low degree of crystallinity and heat of fusion are some of the great advantages of OCTAL PET GP02 to save energy and regeneration of acetaldehyde during the downstream processing. Its application is also suitable for heat set blow molding used for warm fill materials.

OCTAL PET GP02 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

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		84.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	247 ± 2	OCTAL – 005
Fine Particles	ppm	100 Max	OCTAL – 006
Weight of 100pcs chips	gm	1.6 ± 0.2	OCTAL – 007

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PET RESIN Data Sheet

OCTAL PET WG02

Office PO Box 3786, Ruwi 112, Sultanate of Oman. Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description OCTAL PET products are produced by the latest state-of-the-art technology involving 2R direct high IV process. This advanced technology, ensures that the properties and quality of PET resin are superior including low crystallinity and low AA generation, thus making it the preferable product for a number of applications.

OCTAL PET WG02 Is a food grade PET copolymer resin designed for the water container market. The low degree of crystallinity and heat of fusion provides clarity and results in energy savings and regeneration of acetaldehyde during the downstream processing. The low acetaldehyde content helps to retain aroma and color of the filled materials.

OCTAL PET WG02 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

Typical Properties

Property	Unit	Value	Test Method
Intrinsic Viscosity	dl/g	0.76 ± 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		84.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	247 ± 2	OCTAL – 005
Fine Particles	ppm	100 Max	OCTAL – 006
Weight of 100pcs chips	gm	1.6 ± 0.2	OCTAL – 007

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PET RESIN Data Sheet

OCTAL PET RH03

Office PO Box 3786, Ruwi 112, Sultanate of Oman Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description OCTAL PET products are produced by the latest state-of-the-art technology involving 2R direct high IV process. This advanced technology, ensures that the properties and quality of PET resin are superior including low crystallinity and low AA generation, thus making it the preferable product for a number of applications.

OCTAL PET RH03 Is a food grade PET copolymer resin with high intrinsic viscosity, designed for carbonated soft drink and water applications. The low degree of crystallinity and reheat ability saves energy and reduces the regeneration of acetaldehyde during downstream processing and blow molding. The high intrinsic viscosity confers good mechanical properties, high burst strength and reduces bottle distension after filling. This product is produced with a unique formula and production technology to offer a reheat ability that improves machine efficiency during blow molding.

OCTAL PET RH03 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

Typical Properties

Property	Unit	Value	Test Method
Intrinsic Viscosity	dl/g	0.84 ± 0.02	OCTAL – 008
Moisture Content (when packed)	wt%	0.1 MAX	OCTAL – 002
Acetaldehyde	ppm	1.0 MAX	OCTAL – 003
Colour CIE LAB			
L		76.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	247 ± 2	OCTAL – 005
Fine Particles	ppm	100 Max	OCTAL – 006
Weight of 100pcs chips	gm	1.6 ± 0.2	OCTAL – 007

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PET^{RESIN} Data Sheet

OCTAL PET SG04

Office PO Box 3786, Ruwi 112, Sultanate of Oman. Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description OCTAL PET products are produced by the latest state-of-the-art technology involving 2R direct high IV process. This advanced technology, ensures that the properties and quality of PET resin are superior including low crystallinity and low AA generation, thus making it the preferable product for a number of applications.

OCTAL PET SG04 Is a food grade PET copolymer resin suitable for thick and thin PET sheet/film for a variety of applications such as water, carbonated soft drink, alcoholic beverages, hot fill, oil containers and pharmaceutical packaging. This resin is developed and engineered to extend high dimensional strength and mechanical properties. The low degree of crystallinity and heat of fusion are some of the great advantages of OCTAL PET SG04 to save energy and regeneration of acetaldehyde during the downstream processing. Its application is also suitable for heat set blow molding used for warm fill materials.

OCTAL PET SGO4 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

Typical Properties

Property	Unit	Value	Test Method
Intrinsic Viscosity	dl/g	0.82 ± 0.02	OCTAL – 008
Moisture Content (when packed)	wt%	0.1 MAX	OCTAL – 002
Acetaldehyde	ppm	1.0 MAX	OCTAL – 003
Colour CIE LAB			
L		84.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	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 publication. 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.

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PET RESIN Data Sheet

OCTAL PET GS05

Office PO Box 3786, Ruwi 112, Sultanate of Oman. Tel. +968 24730700, Fax: +968 24793523

Sales Specifications Polyethylene Terephthalate (PET) Polymers – Copolymer

Product Description Octal PET products are produced by latest state of –the - art technology involving 2R direct high IV process. This advanced technology ensures that the properties & Quality of PET resin are superior including low crystallinity , thus making it preferable product for a number of applications.

OCTAL PET GS05 is a food grade PET copolymer resin suitable for thick and thin PET sheet . This resin is developed and engineered to extend high dimensional strength and mechanical properties. The Low degree of crystallinity & heat of fusion are some of the great advantages of OCTAL PET GS05 .

OCTAL PET GS05 copolymer resin is considered safe for food packaging applications based on all compliance to FDA regulation 21CFR Section 177.1630,EC Directive 2002 /72 /EC & EC Directive 2004 /19/EC amendment, EC Directive 94/62/EC and the CONEG regulation for all heavy metals contents.

Typical Properties

Property	Unit	Value	Test Method
Intrinsic Viscosity	dl/g	0.82 ± 0.02	OCTAL – 008
Moisture Content when packed)	wt%	0.1 MAX	OCTAL – 002
Colour CIE LAB			
L		84.0 MIN	OCTAL – 004
b		-0.5 MAX	
Melting Point	Degree Celsius	247 ± 2	OCTAL – 005
Fine Particles	ppm	100 Max	OCTAL – 006
Weight of 100pcs chips	gm	1.6 ± 0.2	OCTAL – 007

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