
OPC

Raffia Grade RF03
Homopolymer

DESCRIPTION:

RF 03 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. It is special designed for high-speed machines. This product is mainly recommended for stretched tape (raffia) which produces woven fabrics used in carpet backing industries, geo-textile application, four points big bags of capacity more than one ton and can be used in thermoforming.

FEATURES:

RF 03 is designed to provide:

- Good clarity and color stability.
- Consistent processability.
- Good strength properties.
- Low Water carries over due to an excellent additives package.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	3.1	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	37.3	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	7.7	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1788	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	35	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

Note: The values given in this sheet are the results of the tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without any undertaking on our part.

Raffia Grade RF05
Homopolymer

DESCRIPTION:

RF 05 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. It is special designed for high-speed machines. This product is mainly recommended for stretched tape (raffia) which produces woven fabrics used in carpet backing industries, geo-textile application, four points big bags of capacity more than one ton and can be used in thermoforming.

FEATURES:

RF 05 is designed to provide:

- Good clarity and color stability.
- Consistent processability.
- Good strength properties.
- Low Water carries over due to an excellent additives package.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	5.0	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	34.7	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.3	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1500	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	35	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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DESCRIPTION:

FM 03 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for Bi-oriented polypropylene plane and metalizable films (BOPP).

FEATURES:

FM 03 is designed to provide:

- Good optical properties
- Consistent processability.
- High strength properties.
- Excellent thickness profile.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	3.0	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	33.5	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.7	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1520	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	35	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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TWQ/Cast Film Grade FM08
Homopolymer

DESCRIPTION:

FM 08 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for tubular water quenching film. Can be used as cast film.

FEATURES:

FM 08 is designed to provide:

- Good gloss and clarity.
- Good melt strength.
- Consistent processability.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	8	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	32.6	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.6	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1300	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	37	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

Note: The values given in this sheet are the results of the tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without any undertaking on our part.

DESCRIPTION:

FM 10 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for tubular water quenching film, as it contain slip and anti block additives. Can be used as cast film.

FEATURES:

FM 10 is designed to provide:

- Good gloss and clarity.
- Good melt strength.
- Consistent processability.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	10	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	34.8	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.9	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1500	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	37	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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Mold Grade MD12
Homopolymer

DESCRIPTION:

MD 12 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for injection molding process, thick wall articles such as garden furniture and sanitary items.

FEATURES:

MD 12 is designed to provide:

- Consistent processability.
- High mechanical properties.
- Good processability.
- Good antistatic properties.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	12	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	32.9	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.9	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1370	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	35	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

Note: The values given in this sheet are the results of the tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without any undertaking on our part.

Mold Grade MD35
Homopolymer

DESCRIPTION:

MD 35 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for injection molding process, for thin wall items.

FEATURES:

MD 35 is designed to provide:

- Consistent processability.
- Good mechanical properties.
- Good mold filing
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	35	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	33	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	9.0	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1324	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	24	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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Fiber Grade FB25
Homopolymer

DESCRIPTION:

FB 25 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for fiber spinning processes for staple, BCF, and multifilament.

FEATURES:

FB 25 is designed to provide:

- Goof color stability
- Consistent processability.
- Good gas fading resistance.
- Good thread line stability.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	25.5	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	32.4	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	9.7	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1243	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	27	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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Spun Bond Grade SB25
Homopolymer

DESCRIPTION:

SB 25 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system and Advanced Donner technology ADT. This product is mainly recommended for production of non-woven fabrics, spun bond.

FEATURES:

SB 25 is designed to provide:

- Consistent processability.
- Outstanding color stability.
- Excellent thread stability on different types of Reicofil lines including high speed spun bond Reicofil IV
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	25.5	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	31.2	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.1	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1502	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	27	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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Spun Bond Grade SB35
Homopolymer

DESCRIPTION:

SB 35 is made via UNIPOL™ Polypropylene Process Technology, which combines the production efficiency of gas phase fluidized bed reactors with the high activity and stereo specificity of Consista® catalyst system. This product is mainly recommended for spun bond (textile grade) which produces non-woven fabrics used of medical and surgical isolation, industrial liners, household, hygiene, and agricultural applications.

FEATURES:

SB 35 is designed to provide:

- Goof color stability
- Consistent processability.
- High strength and elasticity.
- High-speed spunbond machines.
- Complies with USA FDA code of Federal Regulations CFR21 § 177.1520 (C) 1.1 (Olefin polymers) and other food contact EC directives & UK and REACH regulations.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow (230 °C/2.16 kg)	35	g/10 min	ASTM D-1238 ISO 1133
Density @ 23 °C	0.905	g/cm^3	ASTM D-1505 ISO R 1183
Tensile Strength @ yield (50 mm/min.)	30.7	MPa	ASTM D-638 ISO 527
Tensile elongation @ yield (50 mm/min.)	8.2	%	ASTM D-638 ISO 527
Flexural modulus (1% Secant), at 1.3 mm/min	1492	MPa	ASTM D 790 A ISO 178
Notched izod impact @ 23 °C	24	J/M	ASTM 256 A ISO 180
Heat deflection temp @455 KPa	104	°C	ASTM D 648 ISO 75

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