

ADVANCED FIT FOR LIVING

ROICATM Eco Smart Family

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ROICATM Introduction

ROICATM Advanced Fit premium stretch fiber is a contemporary innovation designed for everyday life by Asahi Kasei in an innovative range of smart functions for every Modern Wardrobe need.

ROICATM is the secret ingredient in everyday living for sport, intimates, fashion, accessories and business wear. Its innovation transforms your basic clothes into special selections. It changes the **Ordinary** to **Clever** and your **Standard** items into **Smarter** choices. ROICATM balances comfort and fit, shaping and control, giving pleasure and ease with values for everyone everyday.



ROICATM

Stretch & Fit for the Contemporary Life

Today, stretch is expected everyday and is a basic option across every fabric, fashion and functional application assortments.

Today, consumers are expecting higher performances from everything they buy – stretch included!

Asahi Kasei delivers this and more, with its range of ROICATM Premium Stretch Yarns, and the innovative focused functions that deliver everything from active calibrated fit to colour matched dyeability and even a world-first more sustainable & responsible eco-smart stretch functionality.

No other stretch brand can deliver better results for the contemporary consumer today!



ROICATM Speciality Innovations

ROICATM Colour Perfect: Only ROICATM offers a family of yarns that can give excellent, flawless and world unique colour dimensions in advanced fit solutions.

ROICATM Contour: A family of yarns that create new shaping, stretch and silhouette solutions for a calibrated fit, effortless control, softness, comfort and support.

ROICATM Resistance: A high performance range of stretch solutions with performance resistance designed for match particular applications including heat and chemical resistance in make and wear.

ROICATM Feel Good: A unique range of advanced stretch yarns that deliever personal performance and measurable wellness, freshness and comfort metrics for travel, sport, leisure and more.

ROICATM Eco-smart: A true world-first with the most contemporary sustainable range of responsibly produced premium ingredients that are a key part of the Asahi Kasei mission to improving eco-impacts while creating value with values for customers and consumers alike.



ROICATM Eco Smart Family

A true world first with the most contemporary sustainable range of responsibly produced premium stretch yarns that are a key part of the Asahi Kasei mission to improving eco impacts while creating value with values for customers and consumer alike.

These are the only eco-stretch options available in the market today.



ADVANCED FIT FOR LIVING

ROICATM Eco Smart Family

The Yarns available

Today ROICATM unique Eco Smart Family is able to offer two key yarns:

ROICATM V550

ROICATM EF





ROICATM V550

ROICATM V550 represents a unique yarn that degrades in the environment without releasing any harmful substances as verified and tested by Hohenstein "Environmental compatibility" certificate. This is possible due to a very special polymer fruit of the special R&D work from ROICATM by Asahi Kasei meeting contemporary advanced consumer needs in terms of new generation values.

Yarn types available.

33, 45, 80, 135, 240, 320, 400, 440, 480, 640, 960, 1280, 1870 dtex

30, 40, 70, 122, 210, 280, 360, 400, 420, 560, 840, 1120, 1680 den



ROICATM V550 The Certifications

Only elastane worldwide rated from Hohenstein as non-ecotoxic

Material Health Certification "Gold" by Cradle to Cradle products innovation institute









ROICATM V550

C2C Material Health Certification – Important to know

In order to get C2C gold status, all the raw materials has to be gold status

That means, if three different raw materials are used in one garment, all these three materials has to be gold status in C2C Material Health. If one of the materials has only the silver status (of material health), the final garment can also get only silver status even if the other two raw materials are gold or platinum status.

Concerning this kind of process the C2C Material Health Certification is mainly a platform for designers and developer

Focus is the B2C business, means business to consumer



ROICATM EF

ROICA™ EF is another unique proposal in terms of a premium stretch yarn offering ALSO sustainable, smart performances certified by **GRS version 3 certification**.

GRS, stands for Global Recycled Standard, a certification by Textile Exchange, quite widely recognized by textile international market that involves criteria and inspections.

Yarns type available:

22, 44, 78, 156 (Type R84D) dtex

20, 40, 70, 140 (Type R84D) den



ROICATM EF The Recycling Process

ROICATM EF source is based on:

In-house residues of polymer and yarn, e.g. after start up procedures

Waste during warping and following residual yarn on bobbins and outside pre-consumer waste from established sources.

Recycled Content

ROICATM yarns dtex 22, 44, 78, 156 has a percentage of recycled content of more than 50%



ROICATM EF Performances

ROICATM EF is a premium stretch fiber with same quality – performance standards set up by Asahi Kasei

ROICATM EF in all its portfolio is also **dyeable** with cellulosic, proteic, polyamide fibers with a comparable performances of ROICATM Colour Perfect family, better tone on tone with the companion fibers and improved fastness also at domestic washes level.

Less waste in water thanks to closed loop systems

Using pre-industrial waste material in the Recycling-line results in reduced amount of waste, reduced amount of chemical compounds needed in polymerization

GRS version 3 audit is including also social aspects including principles of the ILO Declaration on Fundamental Principles and Rights at Work

Asahi Kasei is following a Chemical Management System (CMS)



ROICATM EF What is the ILO Declaration?

The principles of the ILO Declaration on Fundamental Principles and Rights at Work are:

- a) freedom of association and the effective recognition of the right to collective bargaining;
- b) the elimination of all forms of forced or compulsory labour;
- c) the effective abolition of child labour; and
- d) the elimination of discrimination in respect of employment and occupation.



ROICATM EF Chemical management

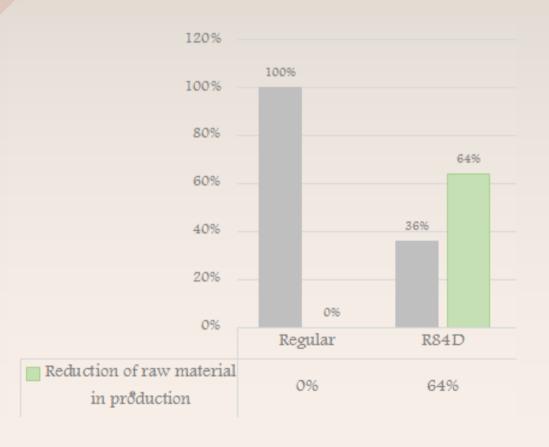
Asahi Kasei is following a Chemical Management System (CMS) and is following the GRS Prohibited Substance List, which was developed by the standard with the textile industry in mind.

This Chemical Management System (CMS) focuses on the approach, structure and documentation needed to create and support a Zero Discharge of Hazardous Chemicals (ZDHC) Programme. Information provided should be easily internalized by retailers, brands and their supply chain partners while accommodating the complexities of the ZDHC roadmap work and the textile supply chain chemistry applications. This framework will build on ISO management standards and other applicable frameworks, such as the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) Practical Chemical Management Toolkit and the Outdoor Industry Association (OIA) Chemicals Management Working Group (CMWG) Framework. A sound chemical management system is paramount to worker safety and will reduce environmental impacts on the community and the broader environment. A CMS is therefore one of the cornerstones for ensuring continuous improvement of zero discharge of hazardous chemicals throughout the life cycle of our products.



ROICATM EF Raw material reduction

Comparison virgin-ROICA™ vs. GRS-certified-products ROICA™ R84D (22, 44, 78, 156 dtex)



*Production of raw material via crude oil/fossil raw material



ROICATM EF Waste Management

Comparison virgin - vs. GRS-certified-products ROICA™ R84D (22, 44, 78, 156 dtex)

	Regular	R84D
Waste Management		
Recovering of polymer waste in polymerization	0%	more than 50%
Recovering of yarn during spinning process	0%	more than 90%
During warping process	0%	more than 90%
By reuse of packing material**	0%	more than 90%







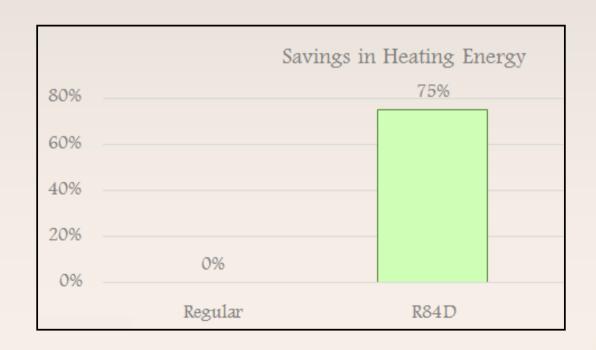
ROICATM EF Energy Savings

Comparison virgin- vs. GRS-certified-products ROICATM R84D (22, 44, 78, 156 dtex)

Heating energy (steam)
Saving in polymerization
vs. RCY-process

Regular	R84I
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0% 75%





ROICATM EF

The Certifications

All products are tested for harmful substances according to Öko-Tex Standard 100 product class 1 – baby class (Certificat 95.0.2838)





