

# LURAN<sup>®</sup> S

## MED 797S SPF30

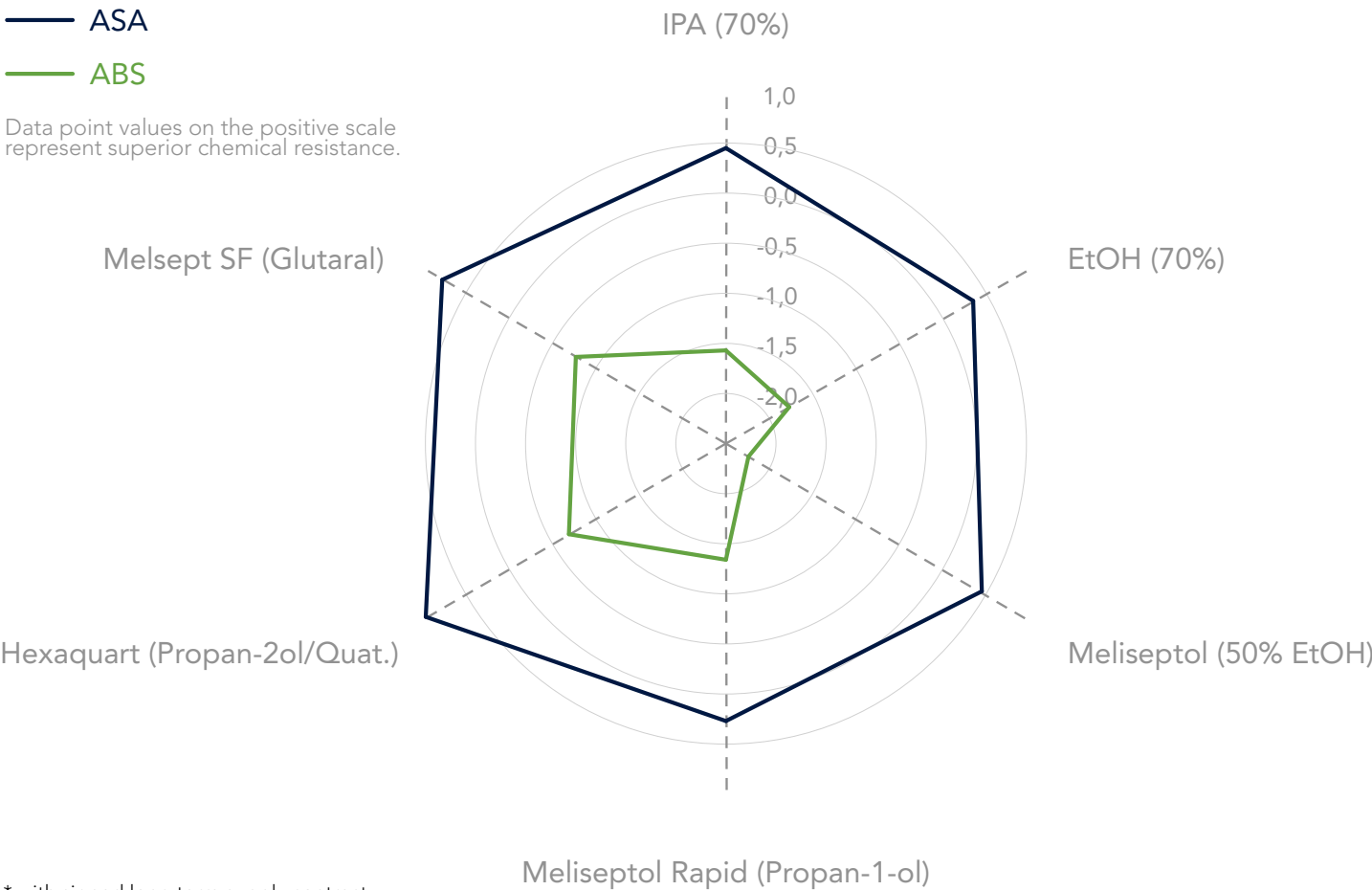
A new ASA MED grade for small medical device housings



THE NEW SOLUTION FOR YOUR MEDICAL DEVICE HOUSING

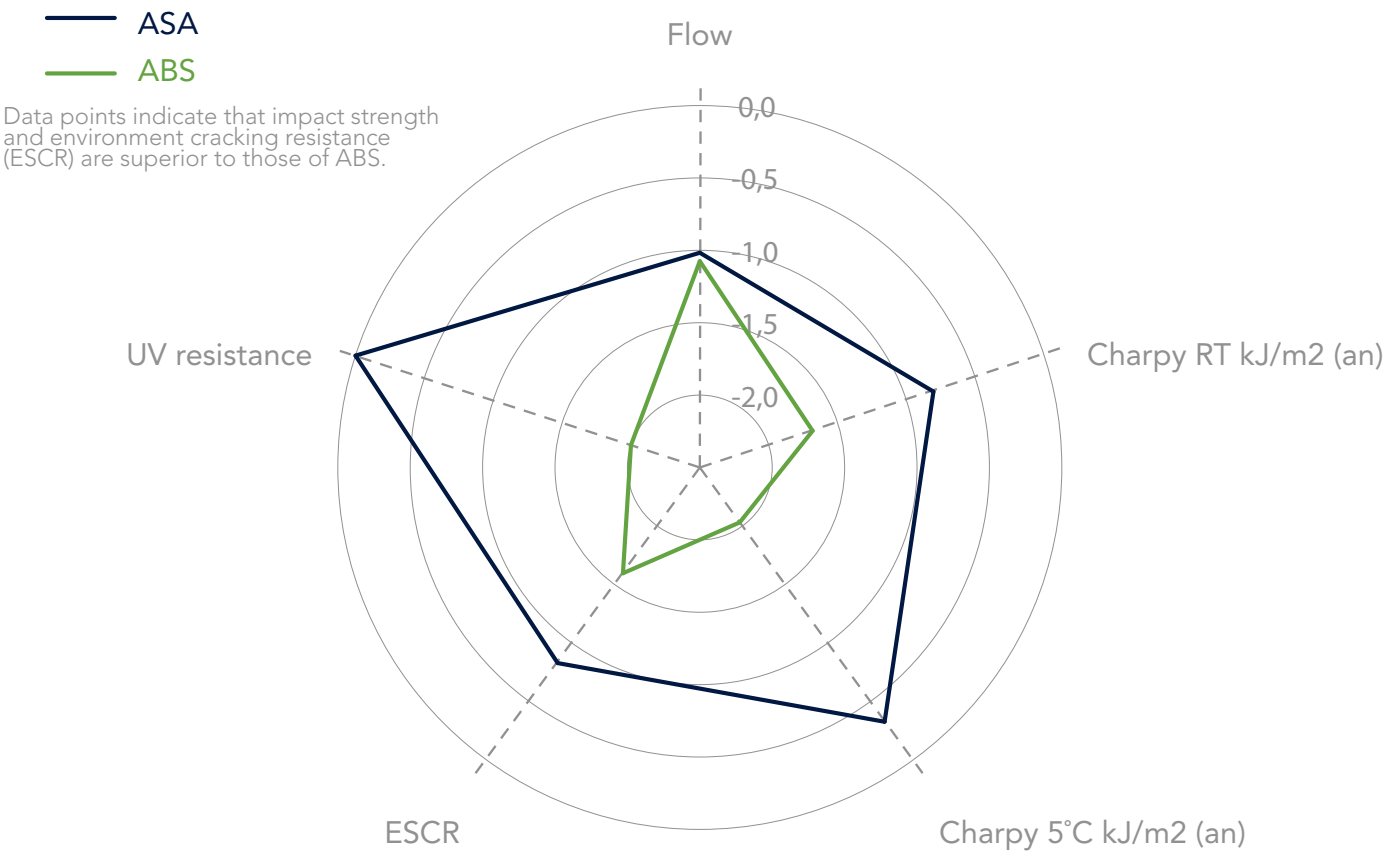
The new Luran S MED 797S SPF30 is a member of INEOS Styrolution’s ASA product family Luran S. It excels with strong product properties such as chemical resistance, UV resistance, impact strength. Being a grade suitable for injection moulding applications, it offers an excellent flowability for easy processing. The grade is regulatory compliant with ISO 10993-5/10 and comes with a notification of change (NoC) commitment of up to 12 months\*.

Luran S MED 797S SPF30 shows excellent chemical resistance against alcohols e.g. isopropyl alcohol (IPA), ethanol alcohol (EtOH), propanol, or alcohol based disinfectants. It also shows good resistance against quaternary ammonium or glutaral based disinfectants making it a material of choice for clinical environments.



\* with signed long term supply contract

The high impact strength specifically at room temperature (RT) and at lower temperatures (5°C) contribute to a better protection of devices, e.g. avoiding cracking failures when a device drops to the floor. This particular material performance makes Luran S MED 797S SPF30 a strong alternative to standard ABS materials.



KEY PROPERTIES

FOR MEDICAL USE

REGULATORY COMPLIANT

CHEMICAL RESISTANCE

UV RESISTANCE

IMPACT STRENGTH

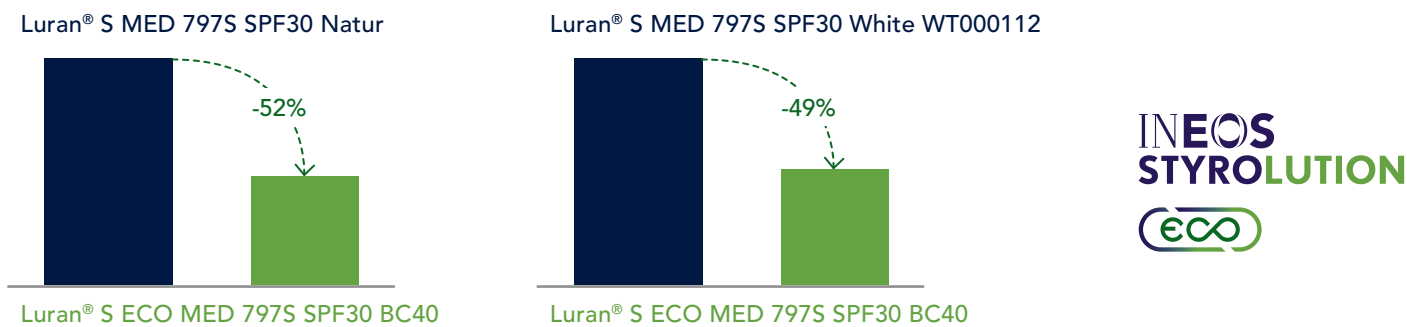
BIO-ATTRIBUTED FEEDSTOCK

# LURAN® S MED 797S SPF30

## BIO-ATTRIBUTED LURAN® S ECO MED 797S SPF30 BC40

Luran S ECO is made using renewable feedstock, based on a mass balance process certified under ISCC PLUS by a third party. Luran S ECO MED 797S SPF30 BC40 is available with a renewable content of 40%. This results in a carbon footprint reduction of up to 52% compared to fossil-based Luran S.

Luran S ECO's feedstock sources, supply chain and production processes have been awarded ISCC PLUS certification and comply with the highest sustainability certification criteria.



Cradle-to-gate greenhouse gas emissions associated with production of Luran S and Luran S ECO grades containing bio-attributed feedstock vs conventional reference grades [t CO<sub>2</sub>-eq/t product]. Data assessed by 3rd party.

## TECHNICAL DATA LURAN® S MED 797S SPF30

### Luran® S MED 797S SPF30

PROPERTY	Norm	Unit	
Charpy Notched Impact Strength, 23°C	ISO 179/eA	kJ/m2	40
Charpy Notched Impact Strength, 5°C	ISO 179/eA	kJ/m2	13
Charpy Notched Impact Strength, -30°	ISO 179/eA	kJ/m2	9
Melt Volume Rate 220°C/10kg	ISO 1133	cm3/10 min	5.5
Tensile Modulus	ISO 527	MPa	2000
Vicat Softening Temperature, VST/B/50 (50N, 50°C/h)	ISO 306	°C	90
Heat Deflection Temperature A; (annealed 4h/80°C, 1.8 MPa)	ISO 75	°C	95
PROCESSING			
Melt Temperature Range	ISO 294	°C	240 - 280
Mold Temperature Range	ISO 294	°C	40 - 80
Drying Temperature	–	°C	80 Drying Time - h 2 - 4
Molding shrinkage, free, longitudinal	–	%	0.4 - 0.7

Typical values for uncoloured products  
Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.  
Please consult our local sales or technical representatives for details.

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**PLEASE NOTE**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. (April 2022)

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