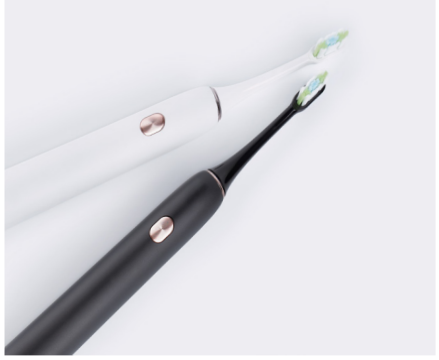
INEOS
Styrolution

LURAN® S
Food contact

Luran® S 797S FC
Luran® S MED 797S FC

INEOS Styrolution's new ASA portfolio for **food contact** applications with excellent chemical resistance, and superior impact strength.



LURAN® S 797S FC

Key properties

EU Food Contact
Commission Regulation (EU)
No. 10/2011

Strong environment stress cracking resistance (ESCR)

High impact strength

Outstanding UV stability

Available based on bio-circular feedstocks

LURAN® S MED 797S FC

INEOS Styrolution

Additional Medical Service Package available!

Biocompatibility
ISO 10993-5 (cytotoxicity)
ISO 10993-10 (irritation and skin sensitisation)

Notification of Change (NoC)
for up to 12 months*

* with signed long term supply contract

The new ASA portfolio for food contact applications

Luran® S 797S FC and Luran® S MED 797S FC are the most recent additions to the portfolio of Luran® S, the offering for acrylonitrile-styrene-acrylate (ASA) copolymers from INEOS Styrolution.
The new products are characterised by the same tailor-made property profile that applies for all Luran® S grades and combines good chemical resistance with superior weatherability and excellent impact strength. Furthermore, the materials have very good flow properties making them ideal for injection moulding.
Our latest addition comes with food contact certifications unlocking completely new fields of applications in the household sector.

Medical Service Package
Luran® S MED 797S FC features a medical service package making it a unique choice for medical applications where excellent resistance against alcohols (isopropyl alcohol and ethanol alcohol) plus resistance against alcohol-based disinfectants is required.

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LURAN® S 797S FC
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Bio-attributed options

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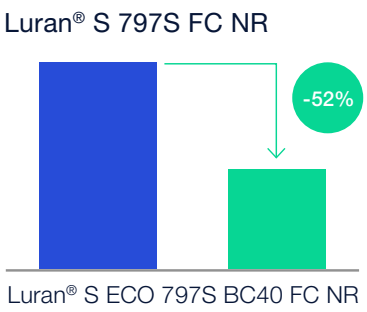
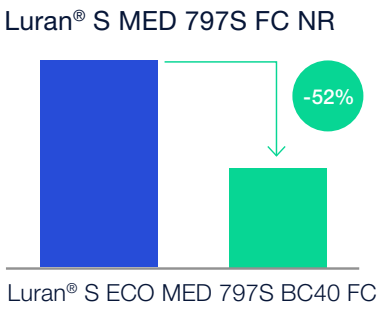
Luran® S ECO 797S BC40 FC
Luran® S ECO MED 797S BC40 FC

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 797S FC BC40 and Luran® S ECO MED 797S FC BC40 are 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_2-eq/t product]. Data assessed by 3rd party.

Technical data

	Standard	Unit	Values
Property			
Charpy Notched Impact Strength, 23°C	ISO 179/1eA	kJ/m²	40
Charpy Notched Impact Strength, 5 °C	ISO 179/1eA	kJ/m²	13
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	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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