

INEOS
Styrolution

Lustran[®] (mABS)

Performance you can count on



Lustran[®] is an acrylonitrile butadiene styrene (mass ABS) copolymer, primarily targeted at the extrusion market. It offers a balanced mix of properties, including good impact resistance and surface finishes ranging from medium gloss to matte. It is known for its versatility in extrusion applications, providing excellent performance in profile and sheet extrusion, furniture edge-bands, as well as construction profiles.

[ineos.com/styrolution](https://www.ineos.com/styrolution)

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High impact strength, medium gloss	LUSTRAN 552
Medium impact strength, medium gloss	LUSTRAN 532
Low gloss	LUSTRAN E112LG

Abbreviation	Method: injection moulding (I), extrusion (E), blow moulding (B), blending (X)	Melt Volume Rate (220 °C / 10 kg)	Tensile modulus	Tensile stress at yield (23 °C)	Tensile strain at yield (23 °C)	Charpy notched impact strength (23 °C)	Vicat softening temperature, VST/B/ 50
		ISO 1133	ISO 527	ISO 527	ISO 527	ISO 179/1eA	ASTM D 1003
		cm ³ /10 min	MPa	MPa	%	kJ/m ²	°C

mABS	I, E, B, X	6	2000	40	2.6	32	96
mABS	I, E, X	8.5	2000	48	2.6	17	101
mABS	I, E, X	7	1600	28	2.9	11	95

Our Lustran mABS grades are designed to deliver strength, and stability to extrusion applications that shape everyday life. Key applications include:

- Furniture edge bands
- Sheet extrusion
- Construction pipes & profiles
- Sanitary applications
- Suitcases & rooftop boxes
- Thermoformed parts for industrial vehicles

Key properties

	Self-colourability		Rigidity/ stiffness
	Impact strength		Flowability
	Low temperature toughness		Easy processing
	Extrusion		Dimensional stability