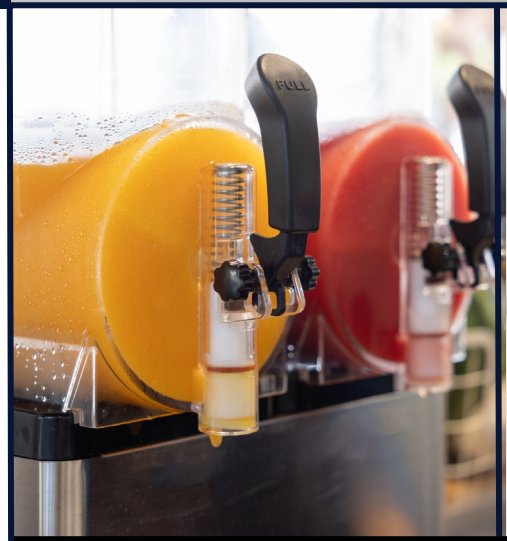
INEOS
Styrolution

ZYLAR®

Clarity meets toughness

Zylar® is a methacrylate-butadiene-styrene (MBS) copolymer offering the perfect blend of transparency, toughness, and processability.
It provides the glass-like clarity of acrylics with the strength of impact-resistant polymers – ideal for durable, high-quality designs.



ineos.com/styrolution
INSTY.infopoint.emea@ineos.com

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Zylar® is the material of choice for applications requiring clarity, performance, and processing efficiency, including:

- Domestic devices
- Transparent toys
- Medical equipment
- Body care appliances
- Office supplies

Regulatory profile

Food contact approvals: EU, FDA, and other regional standards

Drinking water: compliant with major regulations

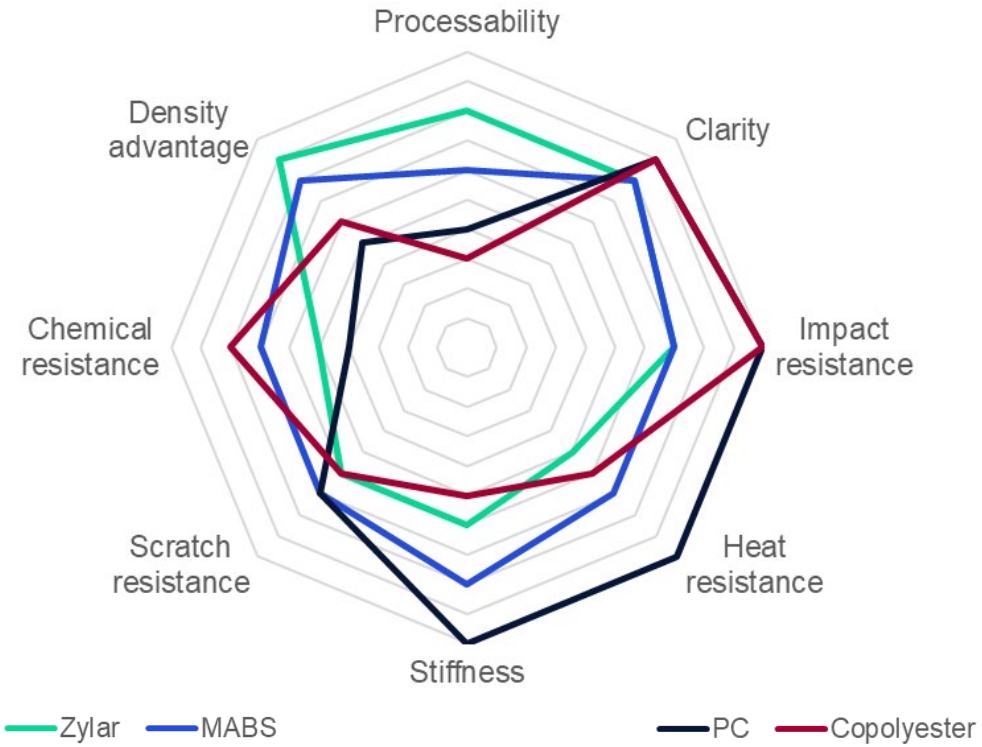
Healthcare applications: Essential HD (Risk Class 1 & 2)

REACH & SVHC: Fully compliant with European chemical regulations

Sustainability: PCF data and bio-circular attributed grades up to ECO BC90 (ISCC PLUS certified)

Heat performance & stiffness — Toughness & impact resistance

Property	Test method	Unit	Zylar 245	Zylar 650	Zylar 550	Zylar 960
Melt volume-flow rate MVR (200 °C/5 kg)	ISO 1133	cm^3/10 min	**4.5**	**4.0**	**5.0**	**6.0**
Tensile modulus (1 mm/min)	ISO 527	MPa	**2300**	**2100**	**2100**	**1650**
Tensile strain at break (23 °C)	ISO 527	%	**20**	**40**	**50**	**120**
Tensile stress at yield (23 °C)	ISO 527	MPa	**47**	**26**	**28**	**28**
Charpy notched impact strength (23 °C)	ISO 179/ 1eA	kJ/m^2	**1.5**	**2**	**4**	**25**
Charpy unnotched impact strength (23 °C)	ISO 179/ 1eU	kJ/m^2	**18**	**40**	**150**	**250**
Vicat softening temperature VST/B/50	ISO 306	°C	**80**	**74**	**73**	**60**
ECO variant			**BC80**	**BC30**	**BC40**	**BC90**



Zylar is the one price-competitive alternative to MABS, PC and copolyesters.

- Low density for weight and cost savings.
- Excellent flow and short cycle times at low processing temperatures reduce energy use and moulded-in stress.
- Convenient drop-in solution, offering a seamless fit with existing equipment.
- Low moisture absorption allows processing without pre-drying.