

## 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.



**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

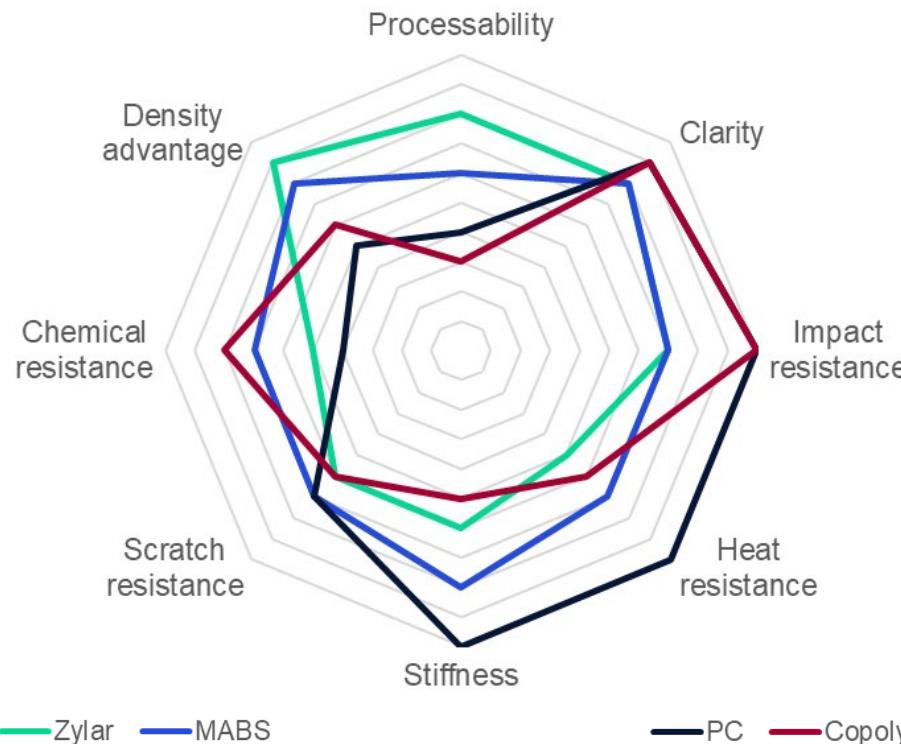
**Drinking water:** compliant with major regulations

**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 <sup>3</sup> /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 <sup>2</sup>	1.5	2	4	25		
Charpy unnotched impact strength (23 °C)	ISO 179/ 1eU	kJ/m <sup>2</sup>	18	40	150	250		
Vicat softening temperature VST/B/50	ISO 306	°C	80	74	73	60		
<b>ECO variant</b>			<b>BC80</b>	<b>BC30</b>	<b>BC40</b>	<b>BC90</b>		



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

- 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.