

CYCOLAC™ in thousand colours

**CYCOLAC™**  
**RESIN**



CYCOLAC™

in thousand colours



CYCOLAC™  
RESIN

MG47F

ABS

Colours



produced by  
SAX® Polymers



CYCOLAC™  
is a trademark  
of SABIC®



Colour, freedom of design, a great surface and very good technical properties - CYCOLAC™ MG47F stands out for its wide range of applications. This easy-to-work synthetic material is the first choice as a 'body material' CYCOLAC™ MG47F has made a name for itself, from classic coffee machines to modern automotive applications.

The synthetic material dyed by SAX® Polymers under licence from SABIC® is available in a thousand glossy colours, making it an attractive material for applications with a distinctive depth of colour and bright surface. Well-known examples have been in children's bedrooms for decades. Colour also lends products a touch of individuality in the field of sanitary applications, electronics and diagnostics. Food safety certification is a decisive factor in favour of this ABS material with household and consumer products. CYCOLAC™ MG47F is available both in 'natural' and a thousand glossy colours.

**MECHANICAL**

Tensile stress, yield, 50 mm/min	ISO 527	47 MPa
Tensile modulus, 1 mm/min	ISO 527	2370 MPa
Flexural modulus, 50 mm/min	ISO 527	2.6 %

**IMPACT**

Izod 23 °C, notched	ISO 180/1A	22 kJ/m <sup>2</sup>
Charpy 23 °C, V-notch edgew	ISO 179/1eA	26 kJ/m <sup>2</sup>

**THERMAL**

Vicat softening temp, rate B/120	ISO 306	100 °C
Relative temp index, elec./mech.	UL 746B	80 °C

**PHYSICAL**

Density	ISO 1183	1,04 g/cm <sup>3</sup>
Melt flow rate, 220 °C / 10.0 kg	ISO 1183	18 g/10 min

**FLAME CHARACTERISTICS**

UL recognized, 94HB flame class rating	UL 94	1,5 mm
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## CYCOLAC™ RESIN

ABS of  
world class

TOP  
availability

Swiss Made

6000  
colour formulations

48h  
colour adjustment

Testing laboratory



SABIC® is the world's leading manufacturer of technical synthetic materials, and has the latest research & development centres as well as production facilities in the Middle East, Europe, the USA and Asia. SAX® Polymers specialises in manufacturing, preparing and dyeing technical polymers. Under licence from SABIC®, SAX® Polymers matches the ABS synthetic material CYCOLAC™ MG47F to individual colour requirements.



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