

# Polyfast® SA001

ASA  
Prime Compound

## Description:

ASA general purpose grade

## General

MFI (220°C/10kg)	ISO 1133	10	g/10min
Density	ISO 1183	1.06	g/cm <sup>3</sup>
Linear mould shrinkage	ISO 2577	0.4-0.7	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	88	°C
Vicat softening point (B50 (50N))	ISO 306	96	°C
Vicat softening point (A50(10N))	ISO 306	103	°C
Ball pressure test (75°C)	IEC 335	Pass	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180/A	10	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	42	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	10	%
Flex modulus	ISO 178	2700	MPa

## Flammability

Flammability (3,2mm)	UL94	HB	
Glow wire flammability index (2,0mm)	IEC 606243-2-12	650	°C
Flammability (1,6mm)	UL94	HB	

## Various

Surface resistivity	IEC 60093	1.00E+13	Ohm
Volume resistivity	IEC 60093	1.00E+12	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	38	kV/mm
CTI	IEC 60112	600	V

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## Ravago Group Headquarters

Moerenstraat 85A  
B - 2370 Arendonk

Tel: +32 (0)14 67 25 11  
Fax: +32 (0)14 67 20 12

www.ravago.com  
manufacturing@ravago.com

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