

Polyfast® SA005

ASA
Prime Compound

Description:

ASA medium impact grade for injection moulding

General

MFI (220°C/10kg)	ISO 1133	10	g/10min
Density	ISO 1183	1.06	g/cm ³
Linear mould shrinkage	ASTM D955	0.4 - 0.7	%

Thermal

HDT/A (1,82MPa)	ISO 75A	90	°C
Vicat softening point (B50 (50N))	ISO 306	97	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	15	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	5	kJ/m ²
Tensile stress at yield	ISO 527	40	MPa
Tensile stress at break	ISO 527	30	MPa
Elongation at break	ISO 527	15	%
Flex modulus	ISO 178	2400	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

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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