



## Technical Data Sheet

# ABS MZ342

ABS IQ general purpose

PROPERTIES	NORM		UNIT	VALUE
	ISO	ASTM		
<b>GENERAL</b>				
Density	1183	D792	g/cm <sup>3</sup>	1.05
Linear mould shrinkage	/	D955	%	0.4-0.7
Melt Flow Index 220°C/10Kg	1133	D1238	g/10 min	10
<b>TERMICHE/ THERMAL</b>				
VICAT A50	306	D1525	°C	100
VICAT B50	306	D1525	°C	96
HDT/A (annealed)	75	D648	°C	92
Ball pressure test 75°C	IEC 335		°C	-
<b>MECHANICAL</b>				
Tensile strength (yield)	527	D638	Mpa	35
Tensile strength (break)	527	D638	MPa	28
Elongation at break	527	D638	%	15
Flexural modulus	178	D790	MPa	2500
Izod Impact +23°C (notched)	180/1A	D256	KJ/m <sup>2</sup>	11
Izod Impact -23°C (notched)	180/1A	D256	KJ/m <sup>2</sup>	5
<b>FLAMMABILITY</b>				
Flammability 3,2 mm	UL94		-	HB
Flammability 1.6 mm	UL94		-	HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
Burning rate	FMVSS 302		mm/min	-
<b>ELECTRICAL</b>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	-
Surface resistivity	IEC 60093		Ohm	-
Volume resistivity	IEC 60093		Ohmxcm	-
CTI Comparative Tracking Index	IEC 60112		V	-