



## Technical Data Sheet

# PC/ABS IQ PCA

PC/ABS Blend IQ medium heat resistant grade

PROPERTIES	NORM		UNIT	VALUE
	ISO	ASTM		
<b>GENERAL</b>				
Density	1183	D792	g/cm <sup>3</sup>	1.13
Linear mould shrinkage	/	D955	%	0.5-0.7
Melt Flow Index 260°C/5Kg	1133	D1238	g/10 min	26
<b>TERMICHE/ THERMAL</b>				
VICAT A50	306	D1525	°C	130
VICAT B50	306	D1525	°C	120
HDT/A (annealed)	75	D648	°C	108
Ball pressure test 75°C	IEC 335		°C	Pass
<b>MECHANICAL</b>				
Tensile strength (yield)	527	D638	Mpa	50
Tensile strength (break)	527	D638	MPa	40
Elongation at break	527	D638	%	30
Flexural modulus	178	D790	MPa	2400
Izod Impact +23°C (notched)	180/1A	D256	KJ/m <sup>2</sup>	40
Izod Impact -30°C (notched)	180/1A	D256	KJ/m <sup>2</sup>	25
<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 3.2 mm	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	-