

SCANLON A

6005B

PA/ABS-Blend

Property	Value	Unit	Standard
Density	1,08	g/cm ³	ISO 1183
MFI at 240°C/5kg	14	g/10min	ISO 1133
Flexural modulus at +23°C	1800 (1600)	MPa	ISO 178
Maximum flexural strength	60 (50)	MPa	ISO 178
Maximum tensile strength	45 (40)	MPa	ISO 527-2
Elongation at break	>80 (>120)	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	50 (55)	kJ/m ²	ISO 179
Notched Charpy at -20°C	- (20)	kJ/m ²	ISO 179
Unnotched Charpy at +23°C		kJ/m ²	ISO 179
Unnotched Charpy at -20°C		kJ/m ²	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	96	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	62	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	190	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	110	°C	ISO 306
Flammability			
GWT at 2 mm	650	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,8-1,0	%	ISO 294-4
Mould shrinkage (across flow)	0,8-1,0	%	ISO 294-4
Hardness Shore D (15 s)	62	Shore D	D2240

Values within (): 24h/23°C/50%RH

Version 2

2011-04-11

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