

# POLYabs

## V0X

Flame retardant

Property	Value	Unit	Standard
Density	1,16	g/cm <sup>3</sup>	ISO 1183
MFI at 230°C/5 kg	15	g/10 min	ISO 1133
Flexural modulus at +23°C	2000	MPa	ISO 178
Maximum flexural strength	75	MPa	ISO 178
Maximum tensile strength	40	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield	6	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	16	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	11	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C		kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -20°C		kJ/m <sup>2</sup>	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	84	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	74	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	98	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	85	°C	ISO 306
Flammability			
GWT at 2,5 mm	960	°C	IEC 695-2-1
UL94 at 2.5 mm	V0		UL94
UL94 at 3.2 mm	V0*		UL94
Mould shrinkage (with flow)	0,5-0,7	%	ISO 294-4
Mould shrinkage (across flow)	0,5-0,7	%	ISO 294-4

\*UL file no. E122538

Version 2

2012-02-21

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