

POLYabs

F20

Property	Value	Unit	Standard
Density	1,04	g/cm ³	ISO 1183
MFI at 230°C/5 kg	15	g/10 min	ISO 1133
Flexural modulus at +23°C	2300	MPa	ISO 178
Maximum flexural strength	78	MPa	ISO 178
Maximum tensile strength	43	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield	5,5	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	16	kJ/m ²	ISO 179
Notched Charpy at -20°C	11	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	NB	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)	87	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	76	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	106	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	100	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm	HB*		UL94
Mould shrinkage (with flow)	0,6-0,8	%	ISO 294-4
Mould shrinkage (across flow)	0,6-0,8	%	ISO 294-4
Ball indentation hardness	95,7 (358N/30s)	MPa	ISO 2039-1

*UL file no. E122538

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