

POLYabs VOE

Flame retardent

PROPERTY	VALUE	UNIT	TEST METHOD
Density	1,20	G/cm ³	ISO 1183
MFI 5kg 230°C	9	G/10min	ISO 1133
Modulus of elasticity +23°C	2000	N/mm ²	ISO 178
Impact resistance Charpy notched Ak +23°C	18	MJ/mm ²	ISO 179
notched Ak -20°C		MJ/mm ²	ISO 179
notched Ak -40°C		MJ/mm ²	ISO 179
Impact resistance Izod notched Ak +23°C	-	MJ/mm ²	ISO 179
notched Ak -40°C	-	MJ/mm ²	ISO 179
Tensile strength	40	N/mm ²	ISO/R527
Elongation at break	-	%	ISO/R527
Elongation at yield	6	%	ISO/R527
Flexural strength	70	N/mm ²	ISO 178
Filler content	-	%	±2
Softening point Vicat 50°C/h at 9,81 N A	-	°C	ISO 306
50°C/h at 49,05 N B	90	°C	ISO 306
Heat distortion temp. HDT 120°C/h at 455 kPa B	83	°C	ISO 75-1
120°C/h at 1820 kPa A	73	°C	ISO 75-1
Flammability GWT	960/2 MM	°C	IEC 695-2-1
Flammability UL94	VO/1,6 mm		UL94
Shore D	-	°	ISO 868
Shrinkage	0,5 – 0,7		100x100x3,2

The above values are only approximate