

# SCANFILL

## BOTTLE BY45C2

Blow moulding grade

Property	Value	Unit	Standard
Density	1,37	g/cm <sup>3</sup>	ISO 1183
MFI at 230°C/2,16kg	0,1	g/10min	ISO 1133
Flexural modulus at +23°C	1800	MPa	ISO 178
Maximum flexural strength	31	MPa	ISO 178
Maximum tensile strength	20	MPa	ISO/R527
Elongation at break		%	ISO/R527
Elongation at yield	15	%	ISO/R527
Impact strength			
Notched Charpy at +23°C	28	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	18	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -20°C	NB	kJ/m <sup>2</sup>	ISO 179
Filler content	45	±2%	Polykemi
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	85	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	42	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	125	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	68	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm			UL94
Mould shrinkage (with flow)		%	ISO 2577
Mould shrinkage (across flow)		%	ISO 2577

Version 1

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