

POLYblend

45FS

PC/ABS-blend

Property	Value	Unit	Standard
Density	1,08	g/cm ³	ISO 1183
MFI at 240°C/5kg	15	g/10min	ISO 1133
Flexural modulus at +23°C	2200	MPa	ISO 178
Maximum flexural strength	89	MPa	ISO 178
Maximum tensile strength	54	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield	6	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	40	kJ/m ²	ISO 179
Notched Charpy at -30°C	14	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m ²	ISO 179
Unnotched Charpy at -30°C	NB	kJ/m ²	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	102/100	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	95/85	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	112	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	100	°C	ISO 306
Ball pressure test	90	°C	IEC 335-1
Flammability			
GWT at 3.2 mm	650	°C	IEC 695-2-1
UL94 at 1.6 mm	HB*		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
HDT (annealed/unannealed)

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