

# POLYlux

## MP4010

PC/PBT-Blend

Property	Value	Unit	Standard
Density	1,23	g/cm <sup>3</sup>	ISO 1183
MFI at 260°C/2,16kg	22	g/10 min	ISO 1133
MFI at 250°C/5kg	37	g/10 min	ISO 1133
Flexural modulus at +23°C	2200	MPa	ISO 178
Maximum flexural strength	85	MPa	ISO 178
Maximum tensile strength	55	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	55	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	15	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -30°C	NB	kJ/m <sup>2</sup>	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	107	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	85	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	154	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	123	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm			UL94
Mould shrinkage (with flow)	0,7-1,0	%	ISO 294-4
Mould shrinkage (across flow)	0,7-1,0	%	ISO 294-4

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