

POLYfill

PP HIP15025 HC

Property	Value	Unit	Standard
Density	1,10	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	15	g/10min	ISO 1133
Flexural modulus at +23°C	4100	MPa	ISO 178
Maximum flexural strength	65	MPa	ISO 178
Maximum tensile strength	36	MPa	ISO 527-2
Elongation at break	5,5	%	ISO 527-2
Elongation at yield	5,5	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	4	kJ/m ²	ISO 179
Notched Charpy at -20°C		kJ/m ²	ISO 179
Unnotched Charpy at +23°C	25	kJ/m ²	ISO 179
Unnotched Charpy at -20°C		kJ/m ²	ISO 179
Filler content	25	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	144	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	93	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	157	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	115	°C	ISO 306
Flammability			
GWT at 2 mm	750	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	1-1,2	%	ISO 294-4
Mould shrinkage (across flow)	1-1,2	%	ISO 294-4
Hardness Shore D (15 s)		Shore D	D2240

Version 2 2009-09-07

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