

SCANAMID 6

B12^ NH9

Flame retardant halogen free

Property	Value	Unit	Standard
"^" = additive# 0-9, no effect on material prop.			
Density	1,14	g/cm ³	ISO 1183
Viscosity		Pas	
Flexural modulus at +23°C	2500	MPa	ISO 178
Maximum flexural strength	90	MPa	ISO 178
Maximum tensile strength	71	MPa	ISO 527-2
Elongation at break	12	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	7	kJ/m ²	ISO 179
Notched Charpy at -20°C	6	kJ/m ²	ISO 179
Unnotched Charpy at +23°C		kJ/m ²	ISO 179
Unnotched Charpy at -20°C		kJ/m ²	ISO 179
Izod notched at +23°C	7	kJ/m ²	ISO 180/4A
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	180	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	63	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	215	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	200	°C	ISO 306
Flammability			
GWT at 2 mm	960	°C	IEC 695-2-1
UL94 at 1.6 mm	V2		UL94
Mould shrinkage (with flow)	1,0-1,2	%	ISO 294-4
Mould shrinkage (across flow)	1,0-1,2	%	ISO 294-4
Hardness Shore D (15 s)	73	Shore D	D2240

Values within (): 23°C, 50% RH, 24h

Version 1

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