

# SCANAMID 6

## B12^ F45

Glass fibre-reinforced

Property	Value	Unit	Standard
"^" = additive# 0-9, no effect on material prop.			
Density	1,51	g/cm <sup>3</sup>	ISO 1183
Viscosity		Pas	
Flexural modulus at +23°C	12800 (8000)	MPa	ISO 178
Maximum flexural strength	280 (200)	MPa	ISO 178
Maximum tensile strength	200 (150)	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	11 (15)	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	(10)	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C	NB (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%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	215	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	210	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)	>200	°C	ISO 306
Flammability			
GWT at 2 mm	650	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,2	%	ISO 294-4
Mould shrinkage (across flow)	0,8	%	ISO 294-4
Hardness Shore D (15 s)		Shore D	D2240

Values within (): 23°C, 50% RH, 24h

Version 1

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