

SCANAMID 6 B12^ F50

PA6-GF45

Polykemi AB

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	16000 / 12700	MPa	ISO 527
Tensile Strength	210 / 150	MPa	ISO 527
Strain at break	2 / 2.5	%	ISO 527
Flexural modulus, 23°C	14000 / 12500	MPa	ISO 178
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	13 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8.5 / -	kJ/m ²	ISO 179/1eA
ASTM Data			
Shore D Hardness	81 / -	-	ASTM D 2240

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	215 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Glow Wire Ignition Temperature (GWIT)	650	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	1560 / -	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Regional Availability

Europe, Asia Pacific

Delivery form

Granules