

**SCANAMID 6 B12^ FC**

PA6

Polykemi AB

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	80 / 60	MPa	ISO 527
Yield strain	4 / 25	%	ISO 527
Strain at break	35 / >50	%	ISO 527
Flexural modulus, 23°C	2800 / 1600	MPa	ISO 178
Charpy notched impact strength, +23°C	5 / 18	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Shore D Hardness	77 / -	-	ASTM D 2240
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	185 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-
<b>Other properties</b>			
Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe, Asia Pacific

**Delivery form**

Granules