

**SCANAMID 6 B12^ NH11L**

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	1.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	78 / 64	MPa	ISO 527
Strain at break	10 / >50	%	ISO 527
Flexural modulus, 23°C	3400 / 3000	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9 / 14.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	7 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Shore D Hardness	80 / -	-	ASTM D 2240

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	65 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2
Vicat softening temperature, A	213 / *	°C	ISO 306
Vicat softening temperature, B	197 / *	°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)	850	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.8	mm	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1170 / -	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free

**Delivery form**

Granules

**Regional Availability**

Europe, Asia Pacific