

**Amodel® A-1240 L**

PPA-MD40

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10000	MPa	ISO 527
Stress at break	104	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Flexural modulus, 23°C	6890	MPa	ISO 178
Flexural modulus	900	MPa	ISO 178
Flexural modulus temperature	175	°C	-
Charpy impact strength, +23°C	29	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	4.6	kJ/m <sup>2</sup>	ISO 180/1A

ASTM Data	Value	Unit	Test Standard
Tensile Modulus	8963	MPa	ASTM D 638
Tensile Strength at Break	103	MPa	ASTM D 638
Elongation at Break	1.6	%	ASTM D 638
Compressive Strength	185	MPa	ASTM D 695
Flexural Modulus	7584	MPa	ASTM D 790
Flexural Strength	207	MPa	ASTM D 790
Rockwell Hardness	R125	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	530	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	310	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	174	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	3.18	mm	-
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	179	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dissipation Factor, 1 MHz	0.017	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	125	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1540	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1540	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Features**

Low Warpage

**Delivery form**

Pellets, Black, Natural Color

**Chemical Resistance**

General Chemical Resistance

**Additives**

Lubricants, Release agent

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,  
Near East/Africa