

Amodel® A-8940 HS BK 328

PPA-GF40

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0034	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0068	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15100	MPa	ISO 527
Stress at break	243	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	14500	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	59	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9.5	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	59	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	323	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	293	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	311	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1570	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	170	°C	-
Zone 1	316 - 329	°C	-
Zone 2	316 - 329	°C	-
Zone 3	324 - 335	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Regional Availability

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