

Amodel® A-8950 HS BK 328

PPA-GF50

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	19000	MPa	ISO 527
Stress at break	275	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	325	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	295	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	310	°C	ISO 75-1/-2
Other properties			
Density	1650	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	150	°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