

Amodel® A-1945 HSL

PPA-GF45

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Modulus	13900	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	12500	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	226	MPa	ASTM D 638
Rockwell Hardness	R 124	-	ASTM D 785
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	299	°C	ISO 75-1/-2
Other properties			
Value	Unit	Test Standard	
Density	1580	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants, Release agent

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

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