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SYENSQO

ALBIS

Amodel® A-1625 HS

PPA-(GF+CF)25 Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Water Absorption, 24hr	0.32	%	ASTM D 570

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength	205	MPa	ISO 527
Yield strain	2	%	ISO 527
Strain at Break	2.4	%	ISO 527
Flexural Modulus (23°C)	13500	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	11	kJ/m²	ISO 180/1A
Notched Impact Strength (Izod)	8	kJ/m²	ISO 180/1A
Temperature	-40	°C	-
Impact Strength (Izod), 23°C	50	kJ/m²	ISO 180/1U
ASTM Data			
Tensile Modulus	15200	MPa	ASTM D 638
Tensile Strength	205	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Notched Impact Strength (Izod), 1/8 in	120	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	275	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	285	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	270	°C	ASTM D 648

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	0.25	%	Sim. to ISO 62
Density	1320	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	320 - 330	°C	-
Mold temperature	135	°C	-
Zone 1	310	°C	-
Zone 3	320	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Special Characteristics
Heat aging stabilized

Features
Creep Resistance

Chemical Resistance
General Chemical Resistance

Applications
Automotive, Electrical and Electronical