TECACOMP® PP ID blue 3956

PP-X

Ensinger Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**37**	cm³/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Melt flow index, MFI	**39**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2200**	MPa	ISO 527
Tensile Strength	**25**	MPa	ISO 527
Strain at break	**30**	%	ISO 527
Flexural modulus, 23°C	**1800**	MPa	ISO 178
Flexural strength	**43**	MPa	ISO 178
Charpy impact strength, +23°C	**20**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**165**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**13**	°C	ISO 11357-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.1**	%	Sim. to ISO 62
Density	**1280**	kg/m³	ISO 1183
Bulk density	**680**	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**70 - 100**	°C	-
Pre-drying - Time	**2**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**230 - 250**	°C	-
Mold temperature	**40 - 100**	°C	-
Zone 1	**200 - 260**	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Features

Metal Detectable

Chemical Resistance

Radiation Resistance

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Regional Availability

North America, Europe, Asia Pacific, South and Central America