HOSTAFORM® S 9244 XAP®2

POM Celanese

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**1.4**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
[C] Molding shrinkage, parallel	**1.7**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.6**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**1450**	MPa	ISO 527
[C] Yield stress	**33**	MPa	ISO 527
[C] Yield strain	**7**	%	ISO 527
[C] Nominal strain at break	**>50**	%	ISO 527
[C] Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**200**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**18**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**12**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**166**	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**68**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**130**	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Relative permittivity, 100Hz	**3.6**	-	IEC 62631-2-1
[C] Relative permittivity, 1MHz	**3.6**	-	IEC 62631-2-1
[C] Dissipation factor, 100Hz	**40**	E-4	IEC 62631-2-1
[C] Dissipation factor, 1MHz	**60**	E-4	IEC 62631-2-1
[C] Volume resistivity	**1E11**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	**1E13**	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Water absorption	**1.2**	%	Sim. to ISO 62
[C] Humidity absorption	**0.2**	%	Sim. to ISO 62
[C] Density	**1260**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Additives
Release agent

Delivery form
Pellets

Features
Copolymer

Other text information

Injection molding
Above pressures, including back pressure, are given as specific or plastic pressures. The back pressure on Hostaform® and Celcon®

POM materials should be as low as possible, just enough to remove air from the pellets during feeding.