

IMPET® HD250

PET

Celanese

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at break	42	MPa	ISO 527
^[C] Strain at break	1.1	%	ISO 527
^[C] Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3.5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	201	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	242	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	300	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	2500	kg/m ³	ISO 1183

[C]: CAMPUS