

TECHNICAL DATA SHEET

TERmicron PS C 01 20 / 08

TEREZ PERFORMANCE POLYMERS

PS

Processing

Injection molding, Other extrusion

Delivery Form

Powder

Special Characteristics

Transparent

Features

High gloss

Applications

IT / business machine, Refrigeration

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	200	°C	
Load	5	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	3100	MPa	ISO 527
Stress at break	42	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
Charpy impact strength, +23°C, 3mm	8	kJ/m ²	ISO 179/1eU
Rockwell hardness	L 70		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	72	°C	ISO 75-1/-2
Vicat softening temperature, A	90	°C	ISO 306
Vicat softening temperature, B	85	°C	ISO 306
Electrical Properties	Value	Unit	Standard
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Other Properties	Value	Unit	Standard
Water absorption	0.1	%	Sim. to ISO 62
Density	1050	kg/m ³	ISO 1183

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Other Properties	Value	Unit	Standard
Bulk density	600	kg/m ³	