

BASF

PPSU

2010

Product information

Manufacturer BASF CORP

Material Shape Pellets

Process Injection molding

Viscosity Medium viscosity

Features Unreinforced

Mechanical behavior	Condition	Standard	Value	Unit
Charpy	Notch Impact -30°C	ISO 179	30	kJ/m ²
Charpy	Notch Impact 23°C	ISO 179	65	kJ/m ²
Charpy	Un-notch Impact -30°C	ISO 179	NB	kJ/m ²
Charpy	Un-notch Impact 23°C	ISO 179	NB	kJ/m ²
Elongation	Yield 23°C	ISO 527	7.8	%
Izod	Notch Impact -30°C	ISO 180	25	kJ/m ²
Izod	Notch Impact 23°C	ISO 180	50	kJ/m ²
Tensile	Modulus 23°C	ISO 527	2250	MPa
Tensile	Strength Yield 23°C	ISO 527	74	MPa
Physical property	Condition	Standard	Value	Unit
Density		ISO 1183	1.29	g/cm ³
Melt	Index 360°C 10kg	ISO 1133	80	cm ³ /10min
Water	Absorption 50RH	ISO 62	0.6	%
Thermal	Condition	Standard	Value	Unit
HDT	1.8MPa	ISO 75	195	°C