

Product Texts

SABIC® PP 500P is a medium flow, multipurpose grade for extrusion and injection molding applications.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1550	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	10	%	ISO 527
Charpy notched impact strength, +23°C	4.5	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	35	MPa	ASTM D 638
Rockwell Hardness	R102	-	ASTM D 785
Izod Impact notched, 1/8 in	25	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, A	152	°C	ISO 306
Vicat softening temperature, B	88	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	100	°C	ASTM D 648
Vicat Temperature	152	°C	ASTM D 1525

Characteristics**Processing**

Injection Molding