

SABIC® PP 521P

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PP 521P is particularly designed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.

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	36	MPa	ISO 527
Yield strain	10	%	ISO 527
Stress at break	34	MPa	ISO 527
Strain at break	>50	%	ISO 527
ASTM Data			
Tensile Strength at Yield	35	MPa	ASTM D 638
Flexural Modulus	1500	MPa	ASTM D 790
Rockwell Hardness	R102	-	ASTM D 785
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	155	°C	ISO 306
Vicat softening temperature, B	88	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	96	°C	ASTM D 648
Vicat Temperature	155	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	905	kg/m ³	ASTM D 792