

SABIC® PP 511A

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PP 511A is a polypropylene homopolymer resin specifically designed for extrusion applications like spun bond and continuous filament spinning resulting in excellent non woven tensile properties. The narrow molecular weight distribution of SABIC® PP 511A is obtained by balanced controlled rheology. SABIC® PP 511A is compatible with all existing spun bond/continuous filament machine technologies producing different non woven compositions, produced with narrow distributed molecular weight polypropylene resins. SABIC® PP 511A has a special developed anti gas fading formulation to minimise discolouration of the fibers.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	25	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	34	MPa	ISO 527
Yield strain	11	%	ISO 527
ASTM Data			
Tensile Strength at Yield	35	MPa	ASTM D 638
Rockwell Hardness	R104	-	ASTM D 785
Izod Impact notched, 1/8 in	22	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	106	°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

Characteristics**Features**

Homopolymer