

SABIC® PPcompound 1820

PP

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 1820 is a development grade, elastomer-modified mineral filled Polypropylene. This material has been designed to combine a good mechanical performance profile with good processing. IMDS ID: 494207829

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Yield stress	24.5	MPa	ISO 527
Stress at break	20	MPa	ISO 527
Strain at break	10	%	ISO 527
Flexural modulus, 23°C	2600	MPa	ISO 178
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	69	°C	ISO 75-1/-2
Other properties			
Density	1040	kg/m ³	ISO 1183