

Product Texts

SABIC® PP 531Ph has a high molecular weight and therefore mainly used for extrusion. It is typically used for non-pressure pipes and sheet applications. Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com> The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications. IMDS 7172624

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	9	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Izod notched impact strength	2.5	kJ/m ²	ISO 180/1A
Shore D hardness	70	-	ISO 7619-1

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	156	°C	ISO 306
Vicat softening temperature, B	98	°C	ISO 306