

Product Texts

SABIC® PP 56M10 has high impact resistance, even at low temperatures, and high stiffness. It is typically used in a variety of applications e.g. containers and crates & boxes. It is also used in automotive components, like for example battery cases. 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. This grade material is UL registered under File E111275 (www.ul.com). IMDS 80775790

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1400	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	5	%	ISO 527
Charpy notched impact strength, +23°C	12.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Shore D hardness	65	-	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	152	°C	ISO 306
Vicat softening temperature, B	78	°C	ISO 306