

Product Texts

SABIC® PP FPH50 is a grade developed for thin wall packaging as well as the caps & closures market. The grade is nucleated and is characterised by a high crystallisation temperature, excellent flow behaviour in combination with a high stiffness. SABIC® PP FPH50 allows for very cost efficient processing on the basis of easy mould filling, very shortcycle times and robust processing behaviour in combination with pigments. It has a very good antistatic performance and shows easy demoulding. Application: SABIC® PP FPH50 is typically used in thin wall packing applications both for food and non-food segments. In caps and closure, the grade could be used for wide mouth caps, amongst others. In media packaging, the grade offers opportunities for cycle time optimisation. The grade has excellent heat deflection temperature making it particularly suitable for hot fill 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>. This product is not intended for and must not be used in any pharmaceutical/medical applications. This grade material is UL registered under File E111275 (www.ul.com) / IMDS 7172624

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2050	MPa	ISO 527
Yield stress	39	MPa	ISO 527
Yield strain	7	%	ISO 527
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
Shore D hardness	71	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306
Vicat softening temperature, B	103	°C	ISO 306

Characteristics**Certifications**

Food contact