

Product Texts

This grade combines a very high impact strength, even at low temperatures, with a high stiffness and moderate flow properties. It is suitable for injection moulding of technical components and containers exposed to heavy loads and needing a high toughness. It is typically used for extrusion applications like thin sheet, corrugated board and profiles. Health, Safety and Food Contact regulations: Safety Data Sheets (SDS) 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 ID: 80775790

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	5	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	75	kJ/m ²	ISO 179/1eA
Izod notched impact strength	12	kJ/m ²	ISO 180/1A
Shore D hardness	61	-	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	148	°C	ISO 306
Vicat softening temperature, B	68	°C	ISO 306

Characteristics**Processing**

Injection Molding