

Ultradur® B 6554 LNI
PBT

BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	3.5	cm³/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	900	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	17	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	8	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	800	MPa	ISO 178
Flexural strength	34	MPa	ISO 178
Abrasion resistance	74	mm³	ISO 4649
Shore Hardness D (15s)	63	-	ISO 868
Ball Indentation Hardness	53	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	213	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	48	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	85	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1280	kg/m³	ISO 1183

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	174	cm³/g	ISO 307, 1157, 1628

Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Blow Molding, Pipe/Tube Extrusion, Wire/Cable Extrusion

Delivery form

Natural Color