

# Duranex® 2002K

Polybutylene Terephthalate

WinTech Polymer Ltd.

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Additive	
Features	• Lubricated
Part Marking Code (ISO 11469)	• >PBT

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.36 g/cm <sup>3</sup>	ASTM D792 ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Stress		
Yield	57.0 MPa	ISO 527-2
--	54.0 MPa	ASTM D638
Tensile Elongation (Break)	20 %	ASTM D638
Nominal Tensile Strain at Break	12 %	ISO 527-2
Flexural Modulus		
--	3230 MPa	ASTM D790
--	3100 MPa	ISO 178
Flexural Strength		
--	96.0 MPa	ASTM D790
--	95.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength	3.2 kJ/m <sup>2</sup>	ISO 179/1eA
Notched Izod Impact (6.35 mm)	31 J/m	ASTM D256
Reverse Notch Izod Impact	490 J/m	ASTM D256

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
1.8 MPa, Unannealed	90.0 °C	ASTM D648
1.8 MPa, Unannealed	80.0 °C	ISO 75-2/A

Flammability	Nominal Value Unit	Test Method
Flame Rating - UL	HB	UL 94
UL File Number	E213445	

Additional Information	Nominal Value Unit
Color Number	EF2001/ED3002

## Notes

1 Typical properties: these are not to be construed as specifications.