

## PIBIFLEX® B4054T2 - TPC

### Description

PIBIFLEX® B4054T2 is a nominal 42 Shore D thermoplastic polyester elastomer with strong heat stability. Is designed for blow molding applications.

### Physical properties

ISO	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ISO 1183

### Mechanical properties

ISO	Value	Unit	Test Standard
Tensile stress at break, 50mm/min	46	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>500	%	ISO 527-2/1A
Charpy notched impact strength, 23°C	NB	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	NB	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact notched, 23°C	NB	kJ/m <sup>2</sup>	ISO 180/1A
Izod impact notched, -30°C	NB	kJ/m <sup>2</sup>	ISO 180/1A

### Thermal properties

ISO	Value	Unit	Test Standard
Melting temperature, 10°C/min	205	°C	ISO 11357-1/-3

### Typical injection moulding processing conditions

#### Pre Drying

	LowMaxRes	DryTime	DryTemp
max	0.05 %	4 h	110 °C
min			100 °C

### Other text information

#### Pre-drying

To avoid hydrolytic degradation during processing, Riteflex resins have to be dried to a moisture level equal to or less than 0.05%. Drying should be done in a dehumidifying hopper dryer capable of dewpoints <-40°F (-40°C) at 225°F (107°C) for 4 hours.

### Characteristics

#### Product Categories

Unfilled

#### Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

#### Processing

Blow molding, Other extrusion