

PIBIFLEX® B50518T2 - TPC

Description

PIBIFLEX® B50518T2 is a nominal 47 Shore D thermoplastic polyester elastomer with strong heat stability. Is designed for blow molding applications.

Physical properties

ISO	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile stress at break, 50mm/min	28	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>350	%	ISO 527-2/1A
Flexural modulus, 23°C	160	MPa	ISO 178
Charpy notched impact strength, 23°C	NB	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	NB	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	NB	kJ/m ²	ISO 180/1A
Izod impact notched, -30°C	NB	kJ/m ²	ISO 180/1A
Shore D hardness, 15s	47	-	ISO 868

Thermal properties

ISO	Value	Unit	Test Standard
Melting temperature, 10°C/min	206	°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