

PIBIFLEX® 3564T - TPC

Experimental Grade. Please contact your Celanese representative for further information.

Description

Pibiflex 3564T is a nominal 38 Shore D thermoplastic polyester elastomer with medium modulus and improved flow for general use with improved heat resistance.

Physical properties

ISO	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183
Water absorption, 23°C-sat	0.6	%	ISO 62

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile modulus	50	MPa	ISO 527-2/1A
Tensile stress at break, 50mm/min	18	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>500	%	ISO 527-2/1A
Flexural modulus, 23°C	50	MPa	ISO 178
Charpy impact strength, 23°C	NB	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	NB	kJ/m ²	ISO 179/1eU
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
Shore D hardness, 15s	35	-	ISO 868

Thermal properties

ISO	Value	Unit	Test Standard
Melting temperature, 10°C/min	195	°C	ISO 11357-1/-3

Typical injection moulding processing conditions

Pre Drying

	LowMaxRes	DryTime	DryTemp
max	0.05 %	4 h	120 °C
min		3 h	100 °C

