

PIBIFLEX® 3884 - TPC

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

Description

PIBIFLEX® 3884 is a nominal 38 Shore D thermoplastic polyester elastomer

Physical properties

ISO	Value	Unit	Test Standard
Density	1160	kg/m ³	ISO 1183

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile modulus	90	MPa	ISO 527-2/1A
Tensile stress at break, 50mm/min	28	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>500	%	ISO 527-2/1A
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	38	-	ISO 868

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 %	3 h	120 °C