

PIBIFLEX® E4482 - TPC

Description

PIBIFLEX® E4482 is a nominal 44 Shore D thermoplastic polyester elastomer with high melting point that is used for extrusion molding applications and use as a performance modifier for TPE compounding.

Physical properties

ISO	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile stress at break, 50mm/min	31	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>450	%	ISO 527-2/1A
Flexural modulus, 23°C	143	MPa	ISO 178
Shore D hardness, 15s	44	-	ISO 868

Thermal properties

ISO	Value	Unit	Test Standard
Melting temperature, 10°C/min	213	°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