

PIBIFLEX® E5578FR - TPC

Description

PIBIFLEX® E5578FR is a nominal 58 Shore D thermoplastic polyester elastomer that is flame retardant. This grade is used for extrusion molding applications and as a performance modifier for TPE compounding.

Physical properties

ISO	Value	Unit	Test Standard
Density	1260	kg/m³	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	>350	%	ISO 527-2/1A
Flexural modulus, 23°C	240	MPa	ISO 178
Shore D hardness, 15s	58	-	ISO 868

Typical injection moulding processing conditions

Pre Drying

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

Characteristics

Special Characteristics

Flame retardant

Regional Availability

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

Processing

Film extrusion, Other extrusion