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**PIBIFLEX® E5578FR - TPC**


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**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/m <sup>3</sup>	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