

PIBIFLEX® L6060 - TPC

Description

PIBIFLEX® L6060 is a nominal 55 Shore D thermoplastic polyester elastomer with improved flow for injection molding applications.

Physical properties

ISO	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183
Melt volume rate, MVR	74	cm ³ /10min	ISO 1133
MVR temperature	230	°C	ISO 1133
MVR load	2.16	kg	ISO 1133

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile stress at break, 50mm/min	35	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>500	%	ISO 527-2/1A
Flexural modulus, 23°C	332	MPa	ISO 178
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
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	55	-	ISO 868

Thermal properties

ISO	Value	Unit	Test Standard
Melting temperature, 10°C/min	216	°C	ISO 11357-1/-3

Typical injection moulding processing conditions

Pre Drying

	LowMaxRes	DryTime	DryTemp
max	0.05 %	4 h	120 °C
min			110 °C

Temperature

	Hopper
max	50 °C
min	20 °C

Characteristics

Special Characteristics

High flow

Processing

Injection molding, Other extrusion

Regional Availability

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