

PELPRENE™ P90BD

TPE

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	230	°C	-
Mold Shrinkage, MD	0.011	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	31.4	MPa	ASTM D 638
Flexural Modulus	162	MPa	ASTM D 790
Shore D Hardness	57	-	ASTM D 2240
Tear Strength	172	kN/m	ASTM D 624
Taber Abrasion Resistance	13	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	N	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	140	E-6/K	ASTM D 696
Melting Temperature	203	°C	ASTM D 3418
Vicat Temperature	180	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Volume Resistivity	6E13	Ohm*cm	ASTM D 257
Other properties			
Density	1190	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	4	h	-

Characteristics**Delivery form**

Pellets

Regional Availability

North America, Europe, Asia Pacific