

**PELPRENE™ P48U**

TPE

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	230	°C	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	26	MPa	ASTM D 638
Flexural Modulus	63	MPa	ASTM D 790
Shore D Hardness	41	-	ASTM D 2240
Tear Strength	103	kN/m	ASTM D 624
Taber Abrasion Resistance	17	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/4 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	170	E-6/K	ASTM D 696
Melting Temperature	176	°C	ASTM D 3418
Vicat Temperature	130	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Volume Resistivity	4E12	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	4	h	-

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

U.V. stabilized or stable to weather