

**RamTough PZ506NT**

PC

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	0.5	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2350	MPa	ISO 527
Tensile Strength	60	MPa	ISO 527
Yield strain	6	%	ISO 527
Izod notched impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	780	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	135	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
<b>ASTM Data</b>			
Vicat Temperature	145	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>[S]</sup></b>			
Volume resistivity	1E10	Ohm*m	Producer Method
Surface resistivity	1E12	Ohm	DIN 53482

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Humidity absorption	0.35	%	Sim. to ISO 62
Density	1200	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Mold temperature	60 - 100	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	240 - 250	°C	-
Zone 2	250 - 270	°C	-
Zone 3	280 - 300	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free, U.V. stabilized or stable to weather

**Regional Availability**

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