

**Multilon® T-3615Q**

(PC+ABS)

Teijin Chemicals Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.6</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.6</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>1760</b>	MPa	ISO 527
Yield stress	<b>45</b>	MPa	ISO 527
Yield strain	<b>3</b>	%	ISO 527
Stress at break	<b>50</b>	MPa	ISO 527
Strain at break	<b>120</b>	%	ISO 527
Flexural modulus, 23°C	<b>1800</b>	MPa	ISO 178
Flexural strength	<b>70</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>80</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>49</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>50</b>	MPa	ASTM D 638
Elongation at Break	<b>130</b>	%	ASTM D 638
Flexural Modulus	<b>1960</b>	MPa	ASTM D 790
Flexural Strength	<b>71</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>830</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>640</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>93</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>107</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>109</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>80</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>80</b>	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>80</b>	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	<b>80</b>	E-6/K	ASTM D 696
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>1E11</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1130</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>110</b>	°C	-
Pre-drying - Time	<b>5 - 8</b>	h	-
Melt temperature	<b>230 - 260</b>	°C	-
Mold temperature	<b>50 - 70</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical, General Purpose

## Multilon® T-3615Q

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Teijin Chemicals Ltd.

### Delivery form

Pellets

### Regional Availability

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

### Special Characteristics

Anti-static