

**3M™ Dyneon™ PTFE Granules TF 1645**

PTFE

Dyneon

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>600</b>	MPa	ISO 527
Shore D hardness	<b>56</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>2150</b>	kg/m <sup>3</sup>	ISO 1183
Bulk density	<b>840</b>	kg/m <sup>3</sup>	-

<b>Film Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Stress at break, parallel	<b>37</b>	MPa	ISO 527-3
Maximum strain, parallel	<b>400</b>	%	ISO 527-3
Thickness of specimen	<b>0.2</b>	mm	-

**Characteristics****Processing**

Other Extrusion, Compression Molding

**Delivery form**

Pellets

**Regional Availability**

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