

**TAFMER™ P-0680**

Mitsui Chemicals America, Inc. - *Polyalphaolefin*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Agency Ratings	• FDA 21 CFR 177.1520
Forms	• Pellets

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	0.870	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-94.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength	1200	V/mil	ASTM D149
Dielectric Constant	2.30		ASTM D150
Dissipation Factor	2.0E-4		ASTM D150

**Additional Information**

Tensile Strength @ Break, JIS K 6301: 50 kgf/cm<sup>2</sup>  
Elongation @ Break, JIS K 6301: 950%  
Surface Hardness, JIS K 6301, A Scale: 63

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

