

**TAFMER™ A-4085**

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	0.880	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.6	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-94.0	°F	ASTM D746
Vicat Softening Temperature	131	°F	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+18	ohms·cm	ASTM D257
Dielectric Strength	1400	V/mil	ASTM D149
Dielectric Constant	2.10		ASTM D150
Dissipation Factor	1.3E-4		ASTM D150

**Additional Information**

Tensile Strength @ Break, JIS K 6301: 270 kgf/cm<sup>2</sup>  
Elongation @ Break, JIS K 6301: 800%  
Surface Hardness, JIS K 6301, A Scale: 83

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