

**TAFMER™ A-1085S**

Mitsui Chemicals America, Inc. - *Polyalphaolefin*
**General Information**
**General**

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
Forms	• Pellets

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

Physical	Nominal Value	Unit	Test Method
Density	0.885	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.2	g/10 min	
230°C/2.16 kg	2.2	g/10 min	
Mooney Viscosity (ML 1+4)	40	MU	JIS K6395
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	> 4060	psi	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Torsional Rigidity	1305	psi	ASTM D1043
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	133	°F	ASTM D1525
Melting Temperature	151	°F	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+17	ohms·cm	ASTM D257
Dielectric Constant	2.20 to 2.40		ASTM D150
Dissipation Factor	< 5.0E-4		ASTM D150

