

TAFMER™ A-70090

Mitsui Chemicals America, Inc. - Polyalphaolefin

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.893	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	70	g/10 min	
230°C/2.16 kg	130	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1450	psi	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Torsional Rigidity	2031	psi	ASTM D1043
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	140	°F	ASTM D1525
Melting Temperature	171	°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

Notes
¹ Typical properties: these are not to be construed as specifications.
