

# TAFMER™ A-1050S

Polyalphaolefin  
Mitsui Chemicals America, Inc.

Message:

TAFMER™ A-1050S is a Polyalphaolefin (PAO) material. It is available in North America. Primary attribute of TAFMER™ A-1050S: Good Flexibility.

General Information			
Features	Good Flexibility		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.862	g/cm³	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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	> 3.00	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Torsional Rigidity	2.00	MPa	ASTM D1043
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Melting Temperature	< 50.0	°C	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

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Recommended distributors for this material

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