

**TAFMER™ XM-7070**

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

TAFMER™ XM is a superior, low crystalline copolymer of propylene and alpha-olefin which is perfect for biaxially oriented polypropylene (PP) and cast film sealant as well as a resin modifier for polyolefins. TAFMER XM is developed with Metallocene catalyst. The material has excellent low temperature sealability, good sealing performance in a wide temperature range and good anti-blocking properties. As a heat seal layer for OPP film, TAFMER XM is an excellent package sealer for chocolates, cookies and crackers among other items. In addition, the low temperature shrink characteristics of PP can be improved with TAFMER XM.

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>		
Features	<ul style="list-style-type: none"> <li>High Clarity</li> <li>High Gloss</li> <li>High Hardness</li> </ul>	<ul style="list-style-type: none"> <li>High Heat Resistance</li> <li>High Scratch Resistance</li> <li>Hot Tack Strength</li> </ul>	<ul style="list-style-type: none"> <li>Low Odor</li> <li>Low Temperature Heat Sealability</li> <li>Low to No Taste</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Film</li> <li>Packaging</li> </ul>	<ul style="list-style-type: none"> <li>Sealants</li> <li>Shrink Wrap</li> </ul>	
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		

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

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	42100	psi	ASTM D638
Tensile Strength (Yield)	1600	psi	ASTM D638
Tensile Strength (Break)	4930	psi	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	153	°F	ASTM D1525
Melting Temperature	167	°F	ASTM D2117

