TAFMER™ XM-7080

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	• Commercial: Active		
Availability	• North America		
Features	• High Clarity • High Gloss • High Hardness	• High Heat Resistance • High Scratch Resistance • Hot Tack Strength	• Low Odor • Low Temperature Heat Sealability • Low to No Taste
Uses	• Film • Packaging	• Sealants • Shrink Wrap	
Forms	• Pellets		

Properties [1]

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	56600	psi	ASTM D638
Tensile Strength (Yield)	1890	psi	ASTM D638
Tensile Strength (Break)	5220	psi	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	55		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	165	°F	ASTM D1525
Melting Temperature	181	°F	ASTM D2117