

**TAIRIPRO® F4007**

 Formosa Chemicals & Fibre Corporation - *Polypropylene Random Copolymer*

## General Information

**Product Description**

Film

Features: Good Transparency

**General**

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Clarity	• Random Copolymer	
Uses	• Film		
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520(c) 3.1a	
RoHS Compliance	• RoHS Compliant		
UL File Number	• E162823		
Appearance	• Clear/Transparent		
Processing Method	• Film Extrusion		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>2</sup>	0.902		ASTM D792
Density (73°F)	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Molding Shrinkage - Flow (73°F)	0.015 to 0.020	in/in	Internal Method
Molding Shrinkage (73°F)	1.5 to 2.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>3</sup> (73°F)	3700	psi	ASTM D638
Tensile Stress (73°F)	3630	psi	ISO 527-2/50
Tensile Elongation <sup>3</sup> (Break, 73°F)	> 200	%	ASTM D638
Tensile Strain (Break, 73°F)	> 200	%	ISO 527-2/50
Flexural Modulus (73°F)	121000	psi	ASTM D790
Flexural Modulus (73°F)	121000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
73°F, 0.125 in	1.2	ft·lb/in	
73°F, 0.157 in	1.2	ft·lb/in	
Notched Izod Impact Strength			ISO 180
73°F, 0.125 in	30	ft·lb/in <sup>2</sup>	
73°F, 0.157 in	30	ft·lb/in <sup>2</sup>	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	85		ASTM D785
Rockwell Hardness (R-Scale, 73°F)	85		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (66 psi, Unannealed, 0.250 in)	185	°F	ASTM D648
Deflection Temperature Under Load <sup>4</sup> (66 psi, Unannealed, 0.250 in)	185	°F	ISO 75-2/B

