

TAIRIPRO® K8003AN

 Formosa Chemicals & Fibre Corporation - *Polypropylene Impact Copolymer*

General Information

Product Description

Injection Molding

Features: Excellent impact strength, High stiffness, Excellent anti-static

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Antistatic		
Features	• Antistatic	• High Stiffness	
	• High Impact Resistance	• Impact Copolymer	
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520(c) 3.1a	
RoHS Compliance	• RoHS Compliant		
UL File Number	• E162823		
Processing Method	• Injection Molding		

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (73°F)	0.014 to 0.018	in/in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³ (73°F)	3700	psi	ASTM D638
Tensile Elongation ³ (Break, 73°F)	> 200	%	ASTM D638
Flexural Modulus (73°F)	171000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-4°F, 0.157 in	1.7	ft·lb/in	
73°F, 0.125 in	11	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	83		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (66 psi, Unannealed, 0.250 in)	239	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in, All Color)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Mold Temperature	86 to 122	°F
Injection Pressure	427 to 853	psi

Notes

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

² 23°C

³ 2.0 in/min

⁴ 120°C/h
