



TAIRIPRO® PP K4650

Technical DataSheet | Supplied by Formosa Chemicals & Fibre

TAIRIPRO® PP F4650 by Formosa Chemicals & Fiber is an antistatic, chemically stable polypropylene (PP) random copolymer grade. Available in the form of pellets & exhibits high fluidity and clarity. Can be processed by injection molding. Used in high transparency containers and housewares. Complies with the Directives of RoHS (2002/95/EC), 2003/11/EC, EN71 part 3 and SONY standard (SS-00259). TAIRIPRO® PP F4650 by Formosa Chemicals & Fiber also meets the requirements of FDA, PAHs and REACH for SVHC.

Product Type	PP (Polypropylene) > PP, Random Copolymer
Physical Form	Pellets
Product Status	COMMERCIAL
Applications/ Recommended for	Households products/ Consumer Goods Injection molding - thermoplastics
Food contact approval	Yes
Labels/Agency Rating	RoHS SONY REACH PAHs FDA 21 CFR Pt 177.1520
Key Features	Antistatic Copolymer

TAIRIPRO® PP K4650 Properties

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Strength	310 kg/cm2	23°C, at Yield	ASTM D638
Tensile Elongation	> 200 %	23°C, at Break	ASTM D638
Flexural Modulus	11500 kg/cm2	23°C	ASTM D-790A
Hardness, Rockwell	95	R Scale	ASTM D785



Impact Strength, Izod	4.5 kg-cm/cm	23°C, 1/8" bar	ASTM D256
------------------------------	--------------	----------------	-----------

Thermal	Value & Unit	Test Condition	Test Method
Heat Deflection Temperature (HDT)	95 °C	at 4.6 kg/cm ² , 1/4" bar, Unannealed	ASTM D648

Physical	Value & Unit	Test Condition	Test Method
Linear Mold Shrinkage	1.5 - 2.0 %	23°C	FCFC Method
Specific Gravity	0.90	23°C	ASTM D792
Melt Mass-Flow Rate (MFR) 50 g/10 min. or MFI = Melt Flow Index or MI = Melt Index)		230°C, 2.16kg	ASTM D1238

TAIRIPRO® PP K4650 Processing Guidelines

Injection Molding	Value & Unit	Test Condition	Test Method
Screw Temperature	220 - 240 °C		
Mold Temperature	30 - 50 °C		
Injection Pressure	40 - 90 Kg/cm ²		

Help us improve the Universal Selector

You can't find what you are looking for? Please report missing products / suppliers, point out errors, or simply tell us how we could make the Universal Selector better.