

TAIRIPRO K2051

Polypropylene Homopolymer
Formosa Plastics Corporation

Message:

FCFC PP resin K2051 meets the requirements of FDA, RoHS and the certificates of environmental protection.

General Information			
Features	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.4 - 1.8	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	39.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 50	%	ASTM D638
Flexural Modulus (23°C)	1770	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 3.18 mm)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	135	°C	ASTM D648
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	
Injection Pressure	7.85 - 11.8	MPa	
Injection instructions			
Screw Temp: 200-290°C			

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