

Formolene® 4100T

PP

Formosa Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	35	g/10min	ISO 1133
Temperature	230	°C	-
ASTM Data			
Melt Flow Index, MFI	35	g/10min	ASTM D 1238
Temperature	230	°C	-
Mechanical properties			
ISO Data			
Yield stress	35	MPa	ISO 527
Yield strain	9	%	ISO 527
Charpy notched impact strength, +23°C	2.1	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	2.2	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	33.8	MPa	ASTM D 638
Elongation at Yield	8	%	ASTM D 638
Rockwell Hardness	R105	-	ASTM D 785
Izod Impact notched, 1/8 in	21.4	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	52	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	88	°C	ISO 75-1/-2
Other properties			
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Features

Low Odor, Homopolymer

Chemical Resistance

Environmental Stress Crack Resistance

Certifications

Food contact, Food approval FDA 21 CFR

Applications

General Purpose

Regional Availability

North America