Suyuan Polymers
Plastic Raw Materials

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Polypropylene Random Copolymer

PP 5090T

Ningbo Formosa

Color	Transparent grade
Features	High transparency, chemical resistance, FDA compliant (as reported).
Applications	Containers, household goods, food service applications, plastic crates, toys.

Property	Condition	Method	Value	Unit
Physical Properties				
Density	—	ASTM D792	**0.90**	g/cm³
Melt Mass-Flow Rate	—	ASTM D1238	**14**	g/10min
Shrinkage	—	YCCI	**0.6-1.8**	%
Mechanical Properties				
Elongation	At break	ASTM D638	**280**	%
Tensile Strength	—	ASTM D638	**280**	kg/cm²
Rockwell Hardness	—	ASTM D785	**98**	R scale
Flexural Modulus	—	ASTM D790	**10000**	kg/cm²
Notched Izod Impact Strength	—	ASTM D256	**8**	kg·cm/cm
Thermal Properties				
Heat Deflection Temperature	—	ASTM D648	**95**	°C
Heat Aging Resistance	—	ASTM D3045	**>300**	h
Other Properties				
Weathering Resistance	—	ASTM D1499	**150**	h

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Note: Data are for reference only and do not constitute guaranteed specifications. Suitability for the intended application should be verified by testing. Contact us for further technical information.