

ASTM Property

Grade	J-590K
Product	Polypropylene, Random Copolymer

General Information

Key Features	<ul style="list-style-type: none"> - Good Transparency and Gloss - Phthalate-free - High Flow
Applications	<ul style="list-style-type: none"> - Household goods - Transparent Food & Cosmetic container

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	44.0
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	280
Tensile Strain (Break)	ASTM D638	%	>100
Flexural Modulus	ASTM D790	kgf/cm ²	11,500
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	4.0
Izod Impact Strength (notched, -10°C)	ASTM D256	kgf·cm/cm	2.5
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	95
Additional Properties			
Haze (2mmT)	ASTM D1003	%	20

1. Physical Properties : these are not to be construed as specifications

* The last update date : 2026/06/01