



Technical Datasheet: J-560M

Product Description:

J-560M is a nucleated random copolymer for injection molding applications. This grade is designed to be processed in conventional injection molding equipment and offers super high transparency, good stiffness/impact strength balance, high gloss, high hinge property and low smell. In particular, J-560M is suitable for medical application demanded gamma-ray sterilization. This grade satisfied the standard of USP Class VI and FDA. (FDA DMF Number: 27050)

Applications:

- Food container, Transparency case, Stationery
- Medical application such as syringe, gamma-ray resistance

Typical data:

Property	Test method	Unit	value
Melt Flow Index	ASTM D1238	g/10min	18
Density	ASTM D792	g/cm ³	0.9
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	300
Tensile Strain (Break)	ASTM D638	%	>100
Flexural Modulus	ASTM D790	kgf/cm ²	12,000
Rockwell Hardness	ASTM D785	R	95
Notched Izod Impact Strength (23°C)	ASTM D256	kgf·cm/cm	5.5
Notched Izod Impact Strength (-10°C)	ASTM D256	kgf·cm/cm	3.0
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C/td>	95
Haze	ASTM D1003	%	20
Melt Flow Index	ISO 1133	g/10min	18
Density	ISO 1183	g/cm ³	0.9
Tensile Stress (Yield)	ISO 527-1	kgf/cm ²	26
Tensile Strain (Break)	ISO 527-1	%	>100
Flexural Modulus	ISO 178	kgf/cm ²	>9.900
Notched Izod Impact Strength (23°C)	ISO 180	kgf·cm/cm	5.0
Notched Izod Impact Strength (-10°C)	ISO 180	kgf·cm/cm	2.5
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	°C	85
Haze	-	%	20