

**RANPELEN J-560M**

PP

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	18	g/10min	ISO 1133
<b>ASTM Data</b>			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	26	MPa	ISO 527
Strain at break	100	%	ISO 527
Flexural modulus, 23°C	970	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Strength at Yield	29	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1180	MPa	ASTM D 790
Rockwell Hardness	R 95	-	ASTM D 785
Izod Impact notched, 1/8 in	54	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	29	J/m	ASTM D 256
Temperature	-10	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	95	°C	ASTM D 648
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	20	%	ASTM D 1003
<b>Other properties</b>			
Density	900	kg/m <sup>3</sup>	ISO 1183
Density	900	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Transparent, Sterilizable, Gamma irradiation sterilization

**Features**

High Gloss, Nucleated, Copolymer, Random Copolymer

**Chemical Resistance**

Radiation Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR, Medical Grade

**Applications**

Medical, Packaging

**Regional Availability**

North America, Europe, Asia Pacific