

LI940IP

Key Features

High Heat Resistance, Non Painting, Low TVOC, Chemical Resistance

Application

Automotive Interior

Properties	Condition	Method	Unit	LI940IP
Physical				
Specific Gravity	23°C	ISO 1183		1.110
Melt Flow Rate	220°C, 10kg	ISO 1133	g/10min	16.1
Mechanical				
Tensile Strength at Yield	23°C, 50mm/min, 4mm	ISO 527	MPa	58.6
Tensile Elongation at Break	23°C, 50mm/min, 4mm	ISO 527	%, (Min)	34.9
Flexural Strength	23°C, 2mm/min, 4mm	ISO 178	MPa	86
Flexural Modulus	23°C, 2mm/min, 4mm	ISO 178	MPa	2658.6
Izod Impact Strength	Notched, 4mm, 23°C	ISO 180/1A	kJ/m ²	8
Charpy Impact Strength	Notched, 4mm, 23°C	ISO 179/1eA	kJ/m ²	7.6
Thermal				
Heat Deflection Temperature	Flatwise, 1.8MPa, 4mm, Unannealed	ISO 75	°C	86.6
Vicat Softening Temperature	50N, 50°C/h	ISO 306	°C	102.6

Note

Typical values can be used only for the purpose of selecting material, and there can be variation within normal tolerances for various colors. Values given should not be interpreted as specification and not be used for designing part or tool. All properties, except melt flow index are measured by injection molded specimens after 48 hours storage at 23°C, 50% relative humidity.

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Processing Guide (Injection Molding)

Processing Parameters	Unit	Value
Drying Temperature	°C	70~80
Drying Time	hrs	3~4
Mold Temperature	°C	40 ~ 80

Note

Injection Temperature & Screw Speed are only mentioned as general guidelines.

These may not apply or need adjustment in specific situations such as low shot sizes, thin wall molding and gas-assist molding.