

SAN 80HF

Description

80HF is a SAN product for injection molding with high transparency, high flow and balanced mechanical properties

Key Features

Transparency, High Flow

Application

stationary cosmetics container
Air Conditioning Fan Blade

Plant

China(Ningbo)

Properties	Condition	Method	Unit	80HF China(Ningbo)
Physical				
Melt Flow Index	220°C, 10kg	ASTM D1238	g/10min	30
Mechanical				
Tensile Strength at Yield	23°C, 50mm/min, 3.2mm	ASTM D638	kg/cm ²	70
Flexural Strength	23°C, 10mm/min, 6.4mm	ASTM D790	kg/cm ²	125
Flexural Modulus	23°C, 10mm/min, 6.4mm	ASTM D790	kg/cm ²	3700
Izod Impact Strength	Notched, 6.4mm, 23°C	ASTM D256	kg·cm/cm	1.2
Rockwell Hardness	R-Scale	ASTM D785		124
Thermal				
Heat Deflection Temperature	Edgewise, 18.6kg, 6.4mm, Unannealed	ASTM D648	°C	93

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.

Updated Date: 2021-05-07 Issued Date : 2024-05-29

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.

SAN 80HF

Description

80HF is a SAN product for injection molding with high transparency, high flow and balanced mechanical properties

Key Features

Transparency, High Flow

Application

stationary cosmetics container
Air Conditioning Fan Blade

Plant

China(Ningbo)

Processing Guide (Injection Molding)

Processing Parameters	Unit	Value
Drying Temperature	°C	75~85
Drying Time	hrs	2~4
Injection Temperature	°C	180~220
Mold Temperature	°C	40~80
Screw Speed	rpm	30~60

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.

Updated Date: 2021-05-07 Issued Date : 2024-05-29

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.