

SolutionPartner


LI980H

Co-Extrusion

Description

- Good Weatherability, High Gloss, High Flow

Applications

- Window Profile, Siding, Rain Gutter, Hand Rail

Properties	Method	Unit	LI980H
Physical			
Specific Gravity , 23°C	ASTM D792		1.12
Mold Shrinkage , 23°C, 3.2mm , 23°C	ASTM D955	%	0.4 ~ 0.7
Melt Flow Rate , 220°C, 10kg	ASTM D1238	g/10min	7.3
Mechanical			
Tensile Strength at Yield , 23°C, 50mm/min, 3.2mm	ASTM D638	Mpa	57
Tensile Elongation at Yield , 23°C, 50mm/min, 3.2mm	ASTM D638	%, (Min)	6
Tensile Elongation at Break , 23°C, 50mm/min, 3.2mm	ASTM D638	%, (Min)	15
Flexural Strength , 23°C, 15mm/min, 3.2mm	ASTM D790	Mpa	98
Flexural Modulus , 23°C, 15mm/min, 3.2mm	ASTM D790	MPa	2500
Izod Impact Strength , Notched, 6.4mm, 23°C	ASTM D256	J/m	60
Izod Impact Strength , Notched, 6.4mm, -30°C	ASTM D256	J/m	20
Rockwell Hardness , R-Scale	ASTM D785		114
Thermal			
HDT , Edgewise, 1.82MPa, 6.4mm, Unannealed	ASTM D648	°C	90
VICAT , 50N, 50°C/h	ASTM D1525	°C	98

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 rate are measured by injection molded specimens after 48 hours storage at 23°C, 50% relative humidity.

Updated Date : 15-Nov-17 Issued Date : 5-Mar-18

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.

SolutionPartner


LI980H

Co-Extrusion

Description

- Good Weatherability, High Gloss, High Flow

Applications

- Window Profile, Siding, Rain Gutter, Hand Rail

Processing Guide (Extrusion Molding)

Processing Parameters	Unit	Value
Drying Temperature	°C	80 ~ 90
Drying Time	hrs	2 ~ 3
Minimum Moisture Content	%	0.1
Melt Temperature	°C	200 ~ 230
Barrel Temperature, Zone 1	°C	190 ~ 200
Barrel Temperature, Zone 2	°C	200 ~ 220
Barrel Temperature, Zone 3	°C	210 ~ 230
Barrel Temperature, Zone 4	°C	210 ~ 230
Adapter Temperature	°C	210 ~ 230
Die Temperature	°C	210 ~ 250
Roll Stack Temperature, Top	°C	70 ~ 90
Roll Stack Temperature, Middle	°C	70 ~ 90
Roll Stack Temperature, Bottom	°C	70 ~ 100

Note

Recommend initial lower temperatures settings to avoid material degradation/hang-up in die & purge material from extruder prior to shutdown.

Updated Date : 15-Nov-17 Issued Date : 5-Mar-18

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.