

Starex HF-0680 U

Acrylonitrile Butadiene Styrene
LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Starex HF-0680 U is an acrylonitrile butadiene styrene (ABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
UL YellowCard	E115797-219539		
Features	General		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.2	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	108		ASTM D785
R scale	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	44.1	MPa	ASTM D638
Yield	49.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2160	MPa	ASTM D790
-- ³	2600	MPa	ISO 178
Flexural Strength			
-- ⁴	60.8	MPa	ASTM D790
-- ⁵	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	21	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 6.35 mm	230	J/m	ASTM D256
-30°C ⁷	19	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	
Drying Time			
--	2.0 - 4.0	hr	

Hot air dryer	2.0 - 3.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	190 - 220	°C
Middle Temperature	190 - 200	°C
Front Temperature	160 - 180	°C
Nozzle Temperature	230	°C
Mold Temperature	40 - 80	°C
Injection Pressure	49.0 - 147	MPa
Back Pressure	0.490 - 1.96	MPa
Screw Speed	50 - 150	rpm

NOTE

- | | |
|----|----------------|
| 1. | 5.0 mm/min |
| 2. | 2.8 mm/min |
| 3. | 2.0 mm/min |
| 4. | 2.8 mm/min |
| 5. | 2.0 mm/min |
| 6. | Thickness: 4mm |
| 7. | Thickness: 4mm |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

