

Luran® HH-120

Styrene Acrylonitrile

BASF Corporation

| Product Description | | | |
|--|-------------------------|------------------------|-------------|
| Grade with high heat resistance, for injection moulding and extrusion, suitable as a modifier for high heat ABS and PVC. | | | |
| General | | | |
| Material Status | • Commercial: Active | | |
| Availability | • Europe | | |
| Features | • High Heat Resistance | | |
| Uses | • Plastics Modification | | |
| Processing Method | • Extrusion | • Injection Molding | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.08 | g/cm ³ | ISO 1183 |
| Apparent Density | 0.55 to 0.65 | g/cm ³ | ISO 60 |
| Melt Volume-Flow Rate (MVR) | | | ISO 1133 |
| 200°C/21.6 kg | 8.00 | cm ³ /10min | |
| 220°C/10.0 kg | 7.00 | cm ³ /10min | |
| Molding Shrinkage | 0.30 to 0.70 | % | ISO 294-4 |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 0.30 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 3900 | MPa | ISO 527-2 |
| Tensile Stress (Break, 23°C) | 79.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, 23°C) | 3.0 | % | ISO 527-2 |
| Flexural Strength (23°C) | 135 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 2.0 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 20 | kJ/m ² | ISO 179/1eU |
| Notched Izod Impact Strength (23°C) | 2.00 | kJ/m ² | ISO 180/1A |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 84 | | ISO 2039-2 |
| Ball Indentation Hardness (H 358/30) | 175 | MPa | ISO 2039-1 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Unannealed | 110 | °C | ISO 75-2/B |
| 1.8 MPa, Unannealed | 104 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 120 | °C | ISO 306/B50 |
| CLTE - Flow (23 to 80°C) | 0.000070 | cm/cm/°C | ISO 11359-2 |
| Thermal Conductivity | 0.17 | W/m/K | DIN 52612 |
| Maximum Service Temperature - Short Cycle Operation | 95 | °C | |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+15 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+16 | ohm·cm | IEC 60093 |
| Relative Permittivity | | | IEC 60250 |
| 23°C, 100 Hz | 3.00 | | |
| 23°C, 1 MHz | 2.70 | | |
| Dissipation Factor | | | IEC 60250 |
| 23°C, 100 Hz | 0.0050 | | |
| 23°C, 1 MHz | 0.0070 | | |
| Electric Strength (23°C, 1.00 mm) | 35 | kV/mm | IEC 60243-1 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating - UL | | | UL 94 |
| 0.800 mm | HB | | |
| 1.60 mm | HB | | |
| Additional Information | Nominal Value | Unit | |
| Polymer Abbreviation | SAN | | |

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

Luran® HH-120
Styrene Acrylonitrile
BASF Corporation

Tuesday, December 22, 2009

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 80.0 | °C |
| Drying Time | 2.0 to 4.0 | hr |
| Processing (Melt) Temp | 220 to 270 | °C |
| Mold Temperature | 40.0 to 80.0 | °C |

| Extrusion | Nominal Value | Unit |
|--------------------|---------------|------|
| Drying Temperature | 80.0 | °C |
| Drying Time | 2.0 to 4.0 | hr |
| Melt Temperature | 180 to 230 | °C |

Notes

¹ Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！