

SABIC Innovative Plastics LNP Faradex AS0039 ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

LNP* Faradex* AS0039 is a compound based on Acrylonitrile Butadiene Styrene resin containing Flame Retardant, Stainless Steel Fiber.

Added features of this material include: EMI/RFI Shielding. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Faradex-AS0039-ABS-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-----------------------|---------------------------|------------------------------|
| Density | 1.31 g/cc | 0.0473 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0030 - 0.0050 cm/cm | 0.0030 - 0.0050 in/in | on tensile bar; SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|--|---------------------|
| Tensile Strength at Break | 32.0 MPa | 4640 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 3.9 % | 3.9 % | 5 mm/min; ISO 527 |
| Flexural Strength | 58.0 MPa | 8410 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 2.50 GPa | 363 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 6.00 kJ/m ² @Temperature 23.0 °C | 2.86 ft-lb/in ² @Temperature 73.4 °F | 80*10*4; ISO 180/1A |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 74.0 °C | 165 °F | Flatw 80*10*4 sp=64mm; ISO 75/Af |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|---------------|------------|
| Surface Resistance | 10 - 1000 ohm | 10 - 1000 ohm | ASTM D 257 |

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