

BASF Neopor® P 5200 Expandable Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

Description: Expandable polystyrene (EPS) containing uniformly distributed flame retardant (blowing agent: pentane).Remarks: For the production of silver-gray foams having a considerably higher thermal-insulation capacity than the usual EPS insulating materials.Applications: Blocks non flame-retardant, significant improved thermal conductivity at low densities.Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Neopor-P-5200-Expandable-Polystyrene.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------------------------|--------------------------|
| Bulk Density | 0.600 g/cc | 0.0217 lb/in ³ | |
| Density | 0.00310 g/cc | 0.000112 lb/in ³ | Vapor (Heavier than air) |
| | 1.02 - 1.05 g/cc | 0.0368 - 0.0379 lb/in ³ | |
| Bead Size | 1.20 - 1.50 mm | 0.0472 - 0.0591 in | |

| Thermal Properties | Metric | English | Comments |
|---------------------------|-------------|-------------|----------|
| Softening Point | 70.0 °C | 158 °F | approx |
| Decomposition Temperature | >= 220 °C | >= 428 °F | |
| Flash Point | >= -56.0 °C | >= -68.8 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------|-----------|----------|
| Moisture Content | <= 0.50 % | <= 0.50 % | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|-----------|
| Color | Black | |
| Commercial Status | Europe | |
| Ignition Temperature | 285°C | DIN 51794 |
| Sieve Analysis | <1.0 mm | max 2% |
| | >1.6 mm | max 3% |
| | 1.0 - 1.6 mm | max 95% |

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