

BASF Styropor® F 215 N Expandable Polystyrene

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

Material Notes:

Description: Expandable polystyrene (EPS) containing a uniformly distributed flame retardant (blowing agent: pentane)Remarks: For the manufacture of flame-retardant foams.Applications: Blocks, insulating panels, footfall insulating panels.Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Styropor-F-215-N-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 | 1.00 - 2.00 mm | 0.0394 - 0.0787 in | |
| Vapor Pressure | 0.685 bar @Temperature 25.0 °C | 514 torr @Temperature 77.0 °F | |

| 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 | <= 1.0 % | <= 1.0 % | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|-----------|
| Color | White | |
| Commercial Status | Europe | |
| Ignition Temperature | 285°C | DIN 51794 |
| Sieve Analysis | <0.8 mm | max 4% |
| | >2.1 mm | max 2% |
| | 0.8 - 2.1 mm | max 94% |

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