

BASF Neopolen® P 9435 0.04 g/cc Core density; Expanded Polypropylene (Europe)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Foamed

Material Notes:

Description: Neopolen® P 9435 is expanded Polypropylene supplied in the form of beads. The cells are largely closed. Physical properties of moldings made from Neopolen® P 9435. Note: In order to measure the physical properties, parts with dimensions 300x200x60 mm were molded on a machine typical for the EPP industry under standard conditions. The properties can vary depending on part geometry and processing parameters. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Neopolen-P-9435-004-gcc-Core-density-Expanded-Polypropylene-Europe.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0300 - 0.0360 g/cc	0.00108 - 0.00130 lb/in³	
Density	0.0400 g/cc	0.00145 lb/in³	ISO 845
Water Absorption	<= 1.0 % @Time 86400 sec	<= 1.0 % @Time 24.0 hour	DIN 53428
Particle Size	>= 1500 µm	>= 1500 µm	
	<= 4000 µm	<= 4000 µm	

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.600 MPa	87.0 psi	DIN EN ISO 1798
Elongation at Break	33 %	33 %	
Compressive Strength	0.180 MPa @Strain 10.0 %	26.1 psi @Strain 10.0 %	ISO 844
	0.220 MPa @Strain 25.0 %	31.9 psi @Strain 25.0 %	ISO 844
	0.330 MPa @Strain 50.0 %	47.9 psi @Strain 50.0 %	ISO 844
Compression Set	28 % @Temperature 23.0 °C, Time 79200 sec	28 % @Temperature 73.4 °F, Time 22.0 hour	50% RH; 24h after stress release; DIN EN ISO 1856 (Procedure C)

Thermal Properties	Metric	English	Comments
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Thermal Conductivity Thermal Properties	0.0360 W/m-K Metric	0.250 BTU-in/hr-ft ² -°F English	DIN 52612 Comments
	0.0380 W/m-K	0.264 BTU-in/hr-ft ² -°F	DIN 52612

Descriptive Properties	Value	Comments
Average Particle Weight	0.6 - 1.0 mg	
Color	Blue	Product: 9435 AB
	Green	Product: 9435 DG
	Metallic-Red	Product: 9435 BR
	Red	Product: 9435 SR
	Yellow	Product: 9435 DY
Commercial Status	Europe	
Dimensional Stability at Heat	<2%	Linear size alterations after 4 d, 110°C; DIN ISO 2796

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