

## BASF Neopolen® P 9280 0.11 g/cc Core density; Expanded Polypropylene (Europe)

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

### Material Notes:

Description: Neopolen® P 9280 is expanded Polypropylene supplied in the form of beads. The cells are largely closed. Physical properties of moldings made from Neopolen® P 9280. 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-9280-011-gcc-Core-density-Expanded-Polypropylene-Europe.php](http://www.lookpolymers.com/polymer_BASF-Neopolen-P-9280-011-gcc-Core-density-Expanded-Polypropylene-Europe.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.0730 - 0.0870 g/cc	0.00264 - 0.00314 lb/in <sup>3</sup>	
Density	0.110 g/cc	0.00397 lb/in <sup>3</sup>	ISO 845
Water Absorption	<= 1.0 % @Time 86400 sec	<= 1.0 % @Time 24.0 hour	DIN 53428
Particle Size	>= 1500 µm	>= 1500 µm	
	<= 3000 µm	<= 3000 µm	

Mechanical Properties	Metric	English	Comments
Tensile Strength	1.53 MPa	222 psi	DIN EN ISO 1798
Elongation at Break	18 %	18 %	DIN EN ISO 1798
Compressive Strength	0.790 MPa @Strain 10.0 %	115 psi @Strain 10.0 %	ISO 844
	0.860 MPa @Strain 25.0 %	125 psi @Strain 25.0 %	ISO 844
	1.26 MPa @Strain 50.0 %	183 psi @Strain 50.0 %	ISO 844
Compression Set	25 % @Temperature 23.0 °C, Time 79200 sec	25 % @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	0.0460 W/m-K Metric	0.319 BTU-in/hr-ft <sup>2</sup> -°F English	DIN 52612 Comments
Descriptive Properties	Value	Comments	
Average Particle Weight	1.0 - 1.4 mg		
Color	Black		
Commercial Status	Europe		
Dimensional Stability at Heat	<2%	Linear size alterations after 4 d, 110°C; DIN ISO 2796	

## Contact Songhan Plastic Technology Co.,Ltd.

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