

PRODUCT INFORMATION
OKULEN® PP H - Pebble grey - FN7032

OKULEN® PP H - FN7032 is a polypropylene homopolymer, grey coloured similar to RAL 7032 (pebble grey) with high melt viscosity for compression moulding. The product has a high heat- and extraction stability.

Properties:

- high stiffness and hardness (PP is harder than polyethylene PE)
- good chemical resistance
- high heat deflection temperature
- easy to work and weld

Colour:

Pebble grey FN7032 / similar RAL7032

Range of applications:

- Chemical industry
- Punching pads
- Filter plates

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Characteristics and standard values

Properties	Method	OKULEN® PP H - Pebble grey - FN7032	
		SI	US
Physical properties			
Molecular-weight	k.a.	--- Mio. g/mol.	--- Mio. g/mol.
Density	DINENISO 1183-1 (09/2025) (Method A)	> 0.905 g/cm ³	> 56.497 lb/ft ³
Notched impact strength	DINENISO 21304-2 (04/2021) (3 mm Double-V-Notch)	> 10 kJ/m ²	> 4.755 ft-lb/in ²
Abrasion-Index (Sand-Slurry)	DINENISO 15527 (05/2022)	---	---
Tensile strength at yield (A2 - 50mm/Min.)	DINENISO 527-2 (09/2025) ASTM D 638 (2022)	> 30 N/mm ²	> 4350 psi
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Elongation (Break / A2 - 50mm/Min.)	DINENISO 527-2 (09/2025) ASTM D 638 (2022)	--- %	--- %
Tensile-E-modulus (A2 - 1mm/Min.)	DINENISO 527-2 (09/2025) ASTM D 638 (2022)	1300 N/mm ²	188500 psi
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Static Friction	ASTM D 1894 (2024) (vs. Steel: Surface roughness Rz2)	---	---
Dynamic Friction	ASTM D 1894 (2024) (vs. Steel : Surface roughness Rz2)	---	---
Shore-D-Hardness, 15 sec. value 6 mm plate	DINENISO 868 (10/2003)	74 - 77 D	74 - 77 D
Ball indentation hardness	DINENISO 2039-1 (06/2003)	--- N/mm ²	--- psi
Water absorption	DINENISO 62 (05/2008)	< 0.01 %	< 0.01 %
Thermal properties			
Melting Point (DSC)	DINENISO 11357-3 (09/2025)	158 - 165 °C	316.4 - 329 °F
Thermal Conductivity	Wire method	~ 0,22 W/m*K	~ 1.52526 (BTU-in)/hr-ft ² -°F
Max. operation temperature	Literature	100 °C	212 °F
Coefficient of thermal expansion (23 - 80°C)	ISO 11359	~0.0001 - 0.0002 mm/mm °C	~0.000056 - 0.000111 in/in °F
Electrical properties			
Volume resistivity	DINEN 62631-3-1 (01/2017)	> 1.0E15 Ohm*cm	> 1.0E15 Ohm*cm
Surface resistivity	DINEN 62631-3-2 (10/2016)	> 1.0E15 Ohm	> 1.0E15 Ohm
ATEX-Directive - TÜV approved!	ATEX-Directive	---	---
ESD-D	---	--- Ohm	--- Ohm
Burning properties			
Fire resistance (Self-classification)	DIN 4102	B2 Klasse	B2 Class
Fire resistance (Self-classification)	UL94	HB Klasse	HB Class
Physiological properties			
Food compliant		EU/FDA	EU/FDA

The above data are based on the present knowledge and are given without guarantee. Existing laws and conditions are to be respected by the user of our products. The decision about the suitability of a material for a certain application must be made by the user. We reserve the right to alter the indicated data. The indicated values are for a 15 mm thick sheet, unannealed. Black sheets may have antistatic properties.

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