

## PURAL<sup>®</sup> MG 30, 70

**Chemical Description:** Aluminum Magnesium Hydroxy Carbonate

**Chemical Formula:**  $Mg_{2x} Al_2 (OH)_{4x+4} CO_3 \cdot n H_2O$

<b>Product Name:</b>		<b>PURAL MG 30</b>	<b>PURAL MG 70</b>
<b>Product No.</b>		595030	595070
<b>Chemical Data:</b>			
MgO : Al <sub>2</sub> O <sub>3</sub>	%	30 : 70 <sup>1)</sup>	70 : 30
L.O.I.	%	40 max.	45 max.
Carbon	%	0.5 – 3	0.5 – 3
SiO <sub>2</sub>	ppm	350 max.	350 max.
Fe <sub>2</sub> O <sub>3</sub>	ppm	200 max.	200 max.
Na, Ca, Ti each	ppm	50 max.	50 max.
<b>Physical Properties:</b>			
Surface Area <sup>2)</sup>	m <sup>2</sup> /g	250 min.	180 min.
Pore Volume <sup>2)</sup>	ml/g	0.5 min.	0.2 min.
Loose Bulk Density	g/l	350 – 550	350 – 550
<b>Particle Size Distribution:</b>			
< 25 μm	%	20 min.	30 min.
< 45 μm	%	40 min.	50 min.
< 90 μm	%	85 min.	90 min.

<sup>1)</sup> Due to the high aluminum content, PURAL MG 30 contains a significant amount of boehmite (alumina monohydrate).

<sup>2)</sup> After activation 3h at 550°C