

# PONACOM PE 4420

High Density Polyethylene

Ponachem Compound GmbH

## Message:

PONACOM PE 4420 is a High Density Polyethylene product. It can be processed by extrusion and is available in Europe. Primary characteristic: carbon black.

General Information			
Additive	Carbon Black (2 ppm)		
Appearance	Black		
Forms	Granules		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.950 to 0.953	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.46	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.50 to 0.70	g/10 min	
190°C/5.0 kg	1.8 to 2.2	g/10 min	
200°C/21.6 kg	35 to 45	g/10 min	
Carbon Black Content	> 1.5	%	
Volatile Matter - 1 hr (105°C)	< 0.035	%	
Oxidation Induction Time (200°C)	> 20	min	ISO 868
Residual Moisture Content	< 300	g/kg	ISO 15512
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	56 to 60		ISO 868
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	134	°C	ISO 3146

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## Recommended distributors for this material

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