

PONACOM PE 4406

High Density Polyethylene

Ponachem Compound GmbH

Message:

PONACOM PE 4406 is a High Density Polyethylene product. It can be processed by pipe extrusion and is available in Europe. Typical application: Plumbing/Piping/Potable Water. Primary characteristic: carbon black.

General Information			
Additive	Carbon Black (2%)		
Uses	Piping		
Appearance	Black		
Forms	Granules		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.952 to 0.954	g/cm ³	ISO 1183
Apparent Density	0.46	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.15 to 0.25	g/10 min	
190°C/5.0 kg	0.45 to 0.68	g/10 min	
200°C/21.6 kg	8.0 to 12	g/10 min	
Carbon Black Content	> 1.5	%	
Volatile Matter - 1 hr (105°C)	< 0.035	%	
Oxidation Induction Time (200°C)	> 30	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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