

PETILEN YY B 00552

High Density Polyethylene
PETKIM Petrokimya Holding A.S.

Message:
PETILEN YY B 00552 is a High Density Polyethylene product. It can be processed by pipe extrusion and is available in Asia Pacific, Europe, or North America. Typical application: Plumbing/Piping/Potable Water.

General Information			
Uses	Piping		
Forms	Pellets		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.947 to 0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.20 to 0.36	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693
Moisture Content	< 300	mg/kg	EN 12118
Oxidation Induction Time (200°C)	> 20	min	EN 728
Volatiles	< 350	mg/kg	EN 12099
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.0	MPa	
Break	31.0	MPa	
Tensile Elongation (Break)	880	%	ASTM D638
Flexural Modulus	800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	380	J/m	ASTM D256

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