

**B 00552 HIGH DENSITY POLYETHYLENE PRODUCT SPECIFICATION**

**TRADE NAME** : PETILEN YY B 00552

**GUARANTEED VALUES** :

<u>TESTS</u>	<u>UNIT</u>	<u>VALUE</u>	<u>METHOD</u>
Melt Flow Rate (MFR) (190°C, 5 kg)	g/10min	0.20 - 0.36	ASTM D1238
Density,23°C <sup>1)</sup>	g/cm <sup>3</sup>	0.947 - 0.953	ASTM D1505

**TYPICAL VALUES** :

<b>Tensile Strength</b> <sup>2)</sup>			
- at Yield	MPa	24	ASTM D638
- at Break	MPa	31	ASTM D638
- Elongation at Break	%	875	ASTM D638
Flexural Modulus, 23°C <sup>2)</sup>	MPa	800	TS EN ISO 178
Izod Impact Strength <sup>2)</sup>	J/m	380	ASTM D256
Environmental Stress Cracking Resistance (F50) <sup>2)</sup>	hours	> 1000	ASTM D1693
Moisture Content	mg/kg	< 300	EN 12118
Volatiles	mg/kg	< 350	EN 12099
Oxygen Induction Time (OIT-200°C)	min	> 20	EN 728

<sup>1)</sup> Measured on specimens, prepared according to ASTM D2839.

<sup>2)</sup> Measured on specimens, prepared according to ASTM D4703.

**PRODUCT SHAPE** : Pellets

**PACKING** : In 25 kg FFS (Form Fill Seal) white colored PE bags  
or 1400 kg big-bags

**STORAGE CONDITIONS** : In closed and dry areas at temperature below 50°C  
and sheltered from direct sun light

**APPLICATION** : Pipe extrusion (distribution of drinking and  
irrigation water, sewerage)

**MSDS NO** : UR.15-BF-00002-ING

**NOTE:** Typical values are the average results of the analyses made in Petkim's laboratories,  
provided for information only. They are not guaranteed values.

This grade has certificate for production of the material in contact with foodstuffs as received by Ministry of  
Agriculture and Rural Affairs dated 21.02.2007 and no. 35-00213-00009-0.