

**S 0452 HIGH DENSITY POLYETHYLENE PRODUCT SPECIFICATION**
**TRADE NAME : PETILEN YY S 0452**
**GUARANTEED VALUES :**

<u>TESTS</u>	<u>UNIT</u>	<u>VALUE</u>	<u>METHOD</u>
Melt Flow Rate (MFR) (190°C / 2.16 kg)	g/10min	0.30 - 0.50	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>			
- at Yield	MPa	23	ASTM D638
- at Break	MPa	32	ASTM D638
- Elongation at Break	%	950	ASTM D638
Flexural Modulus	MPa	815	TS EN ISO 178
Izod Impact Strength	J/m	150	ASTM D256
Environmental Stress Cracking Resistance (F50)	hours	min. 250	ASTM D1693

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

**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 : Blow Moulding (detergent bottles, small-sized containers)**
**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.**