

# Product Data Sheet

## PHOEPLAST® 2340

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### Phoeplast®2340

is a multimodal medium-density black polyethylene that can be used in the fabrication of pipes for the transport of drinking water, natural gas and other industrial purposes. Polyethylene pipes manufactured using Phoeplast® 2340 can be used in high pressure applications. Phoeplast® 2340 is classified as a PE80 material. Phoeplast® 2340 contains well dispersed high quality carbon black that ensures excellent UV resistance.

Phoeplast® 2340 is specially designed for optimizing flexibility and mechanical properties. Phoeplast® 2340 offers excellent resistance to “Rapid Crack Propagation” and “Slow Crack Growth”.

		Typical Value	Unit	Test method
TYPICAL PROPERTIES	MELT FLOW RATE @190°C, 5,0 KG	0.85	gr/10min	ISO 1133
	DENSITY (compound)	0.951	gr/cm3	ISO 1183
	TENSILE STRENGTH @ YIELD (50 mm/min)	18	MPa	ASTM D638
	ELONGATION @ BREAK	> 600	%	ASTM D638
	TENSILE MODULUS (1 mm/min)	800	MPa	ASTM D790
	CARBON BLACK CONTENT	2-2.5	%	-
	CARBON BLACK DISPERSION	< 3	°C	ISO 18553
	OXIDATION INDUCTION TIME AT 200°C	30	Minute	ISO 11357
	HARDNESS (SHORE D)	57	-	ASTM D2240

### PROCESSING PARAMETERS

The extrusion temperature should be according to following data:

**MELT TEMPERATURE** 200-240°C

### STORAGE

Phoeplast® 2340 should be stored in dry condition and temperature of below 60°C and protect from Sun light.



corrosion protection that stays.