

Product Data Sheet

PHOEPLAST® 2350

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Phoeplast® 2350

is a multimodal high-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® 2350 can be used in high pressure applications. Phoeplast® 2350 is classified as a PE100 material. Phoeplast® 2350 contains well dispersed, high quality carbon black that ensures excellent UV resistance.

Phoeplast® 2350 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	0.25	gr/10min	ISO 1133
	DENSITY (compound)	0.960	gr/cm3	ISO 1183
	TENSILE STRENGTH @ YIELD (50 mm/min)	27	MPa	ASTM D638
	ELONGATION @ BREAK	> 600	%	ASTM D638
	TENSILE MODULUS (1 mm/min)	1100	MPa	ASTM D790
	CARBON BLACK CONTENT	2-2.5	%	-
	CARBON BLACK DISPERSION	< 3	°C	ISO 18553
	OXIDATION INDUCTION TIME AT 210°C	30	Minute	ISO 11357
	HARDNESS (SHORE D)	60	-	ASTM D2240

PROCESSING PARAMETERS

The extrusion temperature should be according to following data:

MELT TEMPERATURE 220-250°C

STORAGE

Phoeplast® 2350 should be stored in dry condition and temperature of below 60°C and protect from Sun light.



corrosion protection that stays.