

Product Data Sheet

PHOEPLAST® 2325

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24-08-16



Phoeplast@2325

is a bimodal, black, high density polyethylene to be used as a top layer in the coating of steel pipes. Phoeplast 2325 contains high quality carbon black that ensures excellent weathering resistant.

Phoeplast 2325 shows excellent resistance to environmental stress cracking (ESCR), superior performance in high and low temperature, and excellent impact properties.

Phoeplast 2325 fulfills the following standards:

ISO 21809-1, DIN 30670, CSA-Z245.21-06 and NFA 49710.

		Typical Value	Unit	Test method
TYPICAL PROPERTIES	MFR@190°C, 2.16 KG	0.37-0.47	gr/10min	ISO 1133
	DENSITY	0.955	gr/cm3	ISO 1183
	VICAT SOFTENING POINT	120	°C	ASTMD1525
	TENSILE STRENGTH @ YIELD	27	MPa	ASTM D638
	ELONGATION @ BREAK	700	%	ASTM D638
	FLEXURAL MODULUS	1000	MPa	ASTM D790
	HARDNESS SHORE D	60	-	ASTM D2240
	MELTING POINT (DSC)	130	°C	ISO 3146
	CARBON BLACK CONTENT	2-2.5	%	-
	BRITTLINESS TEMPERATURE	-80° C	°C	ASTM D746
	ESCR	5000	Hour	ASTM D1693-A
	DIELECTRIC STRENGTH	>30	kV/mm	IEC 243
	DC VOLUME RESISTIVITY	10 ¹⁶	Ω cm	IEC 93
	OXIDATION – INDUCTION TIME AT 210° C	40	Minute	ISO 11357
	UV RESISTANCE AND THERMAL AGING	≤35	%	ISO 21809-1



corrosion protection that stays.

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PROCESSING PARAMETERS

Preheating and drying prior to extrusion is highly recommended and the extrusion temperature should be according to following data:

**PREHEATING
TEMPERATURE (MAX.)** 90 C

MELT TEMPERATURE 220 - 250C

STORAGE

Phoeplast 2325 should be stored in dry condition and temperature of below 60 C and protect from Sun light.

