

**CHEMPOL**

Petrochemicals Int'l

PE 100-Black (pipe)



Black HDPE Classified as PE100

DESCRIPTION: PE100 black is a black ,high density polyethylene classified as PE100. Well dispersed carbon black gives outstanding UV resistance. Long term stability is ensured by an optimized stabilization system.It also shows excellent resistance to rapid crack propagation and slow crack growth.

Color : black

Packaging : 25 Kg bags

Application : under pressure polyethylene pipes and fittings (PE gas pipes, sewerage and irrigation pipes)

Property	Test Method	Unit	Value
MFI (5kg , 190 °C)	ISO 1133-1	gr/10 min	0.24 ± 0.04
Density	ISO 1183-1	gr/cm ³	0.955 ± 0.004
Carbon Black Content	ISO 6964	%	2.25 ± 0.25
Volatile Content	EN 12099	mg/kg	≤300
Carbon Black Dispersion	ISO 18553	Grade	≤3
OIT (210 °C)	ISO 11357 -6	min	≥30
Vicat softening Temperature(10N)	ISO 306	°C	133 ± 1
Tensile Strenght at Yeild	ISO 6259 -1,3	Mpa	≥22
Elangation at Break(100 mm/min)	ISO 6259 -1,3	%	≥ 500
Internal Pressure Resistance at 20 °C , 12 Mpa at 80 °C , 5.4 Mpa at 80 °C , 5 Mpa	ISO 1167	hours	> 100 > 165 > 1000



Above data is based on information provided by Licensor and it is not to be construed as specification.

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