Data Sheet

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CYCLUS MR-PE IP1500WC

CYCLUS MR-PE IP1500WC is a White color product made of 50% dry blend of recycled HDPE containing ceramic. It is a high-density polyethylene product designed to be suitable for pipe applications such as electrical cable pipes and underground pipes with excellent OIT and ESCR properties.

Application / Use Case

Pipe

Specification

	Data	Unit	Test Method
Density	1.025	g/cm^3	ASTM D1505
Melt Index	0.03	g/10min	ASTM D1238

Physical Properties

	English	SI	Test Method
Tensile Strength at Yield	4000 psi	28 MPa	ASTM D638
IZOD Impact Strength (Notched, 23 C)	N.B	N.B	ASTM D256
ESCR	> 1,000 hr	> 1,000 hr	ASTM D1693
Flexural Modulus	1.45 x 10^5 psi	1,000 MPa	ASTM D790
Oxidative Induction Time	> 90 min	> 90 min	ASTM D3895

* ESCR: Consition B, F 50 (10% Igepal)

These are typical properties only, and are not to be construed as specific limits

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