

EDMALOY 7045 MI

Low Density Polyethylene Pipe Grade PE40

Low Density Polyethylene pipe compound

Application :

EDMALOY 7045MI is a special designed high molecular weight low density polyethylene compound for production of the lateral irrigation pipes.

Property	Typical value	Units	Test Method
Melt Flow Index (190 °C , 2.16 Kg)	0.5 ± 0.15	g/10 min	ASTM D1238
Density	0.932 ± 0.003	g/Cm³	ASTM D1505
Carbon Black Content	2.25 ± 0.25	%	ASTM D1603
Tensile Strength @ Yield	11	Mpa	ASTM D638
Tensile Strength @ Break	16	Mpa	ASTM D638
Elongation @ Break	> 550	%	ASTM D638
ESCR (Pipe , F0)	> 1	hours	ISO 8796
ESCR (10% Igepal F0 ,Condition B)	> 1000	hours	ASTM D1693
Oxidative Induction Time (200 oC)	> 30	minutes	ASTM D3895
Carbon Black Dispersion	< 3	rating	BS 2782 823 A

Suggested General Extrusion Conditions : 160oC-180oC

Description :

The compound contains a nominal carbon black content of 2.5% and antioxidant has been added to ensure the thermal stability during processing. Edmaloy 7045MI has excellent stress cracking and long term hydrostatic resistance , also it has a long time service life due to excellent ESCR, oxidation,weathering,UV and hydrostatic pressure resistance.

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