

EDMALOY 9035

Low Density Polyethylene Pipe Grade

Application :

EDMALOY 9035 is a special designed low density polyethylene compound for the production of lateral irrigation pipes.

Property	Typical value	Units	Test Method
Melt Flow Index (190 °C , 2.16 Kg)	0.75 ± 0.15	g/10 min	ASTM D1238
Density	0.932 ± 0.005	g/Cm ³	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)	> 2000	hours	ASTM D1693
Oxidative Induction Time (200 oC)	> 30	minutes	ASTM D3895
Carbon Black Dispersion	< 5	rating	BS 2782 823 A

Suggested General Extrusion Conditions :

Extruder Zone	Temperature Range	Extruder Zone	Temperature Range
Zone 1	140oC-150oC	Zone 4-X	160oC-170oC
Zone 2	150oC-160oC	Adapter	170oC-175oC
Zone 3	160oC-170oC	Die	190oC-210oC

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 9035 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 resistances.

Disclaimer : Above mentioned properties has been performed in EDMAN laboratory condition ,and may varying in other conditions.

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