

EDMALOY 8030

Medium Density Polyethylene Wire & Cable Grade

Application :

EDMALOY 8030 is a medium density polyethylene compound designed for cable jacketing .

Property	Typical value	Units	Test Method
Melt Flow Index (190 °C , 2.16 Kg)	0.80 ± 0.15	g/10 min	ASTM D1238
Density	0.940 ± 0.005	g/Cm ³	ASTM D1505
Carbon Black Content	2.5 ± 0.5	%	ASTM D1603
Tensile Strength @ Break	> 15	Mpa	ASTM D638
Elongation @ Break	> 500	%	ASTM D638
Tensile Strength @ Yeild	> 8	Mpa	ASTM D638
Oxidative Induction Time (200 °C)	> 30	minutes	ASTM D3895
ESCR (10% Igepal F ₀ , Condition B)	>1000	hours	ASTM D1693
Carbon Black Dispersion	<5	rating	BS 2782 823 A

Suggested General Extrusion Conditions :

Extruder Zone	Temperature Range	Extruder Zone	Temperature Range
Zone 1	80°C-130°C	Zone 4-X	170°C-190°C
Zone 2	130°C-150°C	Adapter	200°C-210°C
Zone 3	150°C-170°C	Die	210°C-220°C

Description :

EDMALOY 8030 has been developed to give very excellent stress crack resistance, very good mechanical properties and low temperature performance.

The compound contains a very well dispersed carbon black which ensures excellent resistance to UV degradation in outdoor application . Antioxidant has been added to ensure thermal stability during processing.

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

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