

# EDMALOY 7040E

## Low Density Polyethylene Wire & Cable Grade

### Low Density Polyethylene wire and cable compound

#### Application :

EDMALOY 7040 is a special low density polyethylene compound designed for cable jacketing .

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 ± 0.003	g/Cm <sup>3</sup>	ASTM D1505
Carbon Black Content	2.5 ± 0.5	%	ASTM D1603
Tensile Strength @ Break	16	Mpa	ASTM D638
Elongation @ Break	> 550	%	ASTM D638
ESCR ( 10% Igepal F <sub>0</sub> , Condition B )	>1000	hours	ASTM D1693
Oxidative Induction Time ( 200 °C )	> 30	minutes	ASTM D3895
Dielectric Constant @ 1 MHZ	2.6 max		ASTM D150
Dissipation Factor @ 1 MHZ	0.004 max		ASTM D150
Carbon Black Dispersion	<5	rating	BS 2782 823 A

#### Suggested General Extrusion Conditions :

Extruder Zone	Temperature Range	Extruder Zone	Temperature Range
Zone 1	160°C-170°C	Zone 4-X	190°C-210°C
Zone 2	170°C-180°C	Adapter	200°C-220°C
Zone 3	180°C-190°C	Die	200°C-230°C

#### Description :

**EDMALOY 7040** has been developed to give very excellent stress cracking resistance.

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.

Head Office : Tel : + 98 ( 331 ) 776 1797  
Factory : Tel : + 98 ( 335 ) 3482991 : 5

Fax : + 98 ( 335 ) 3482996  
E-mail : [info@edmanco.ir](mailto:info@edmanco.ir)



**EDMAN**  
POLYETHYLENE MANUFACTURING COMPANY



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