

# EDMALOY 9035G

## Linear Low Density Polyethylene Cable Grade

### Application :

EDMALOY 9035G is a special designed linear low density polyethylene compound 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(Base Resin)	0.923	g/Cm <sup>3</sup>	ASTM D1505
Density(compound)	0.935 ± 0.005	g/Cm <sup>3</sup>	ASTM D1505
Carbon Black Content	2.5 ± 0.5	%	ASTM D1603
Tensile Strength @ Yield	11	Mpa	ASTM D638
Tensile Strength @ Break	16	Mpa	ASTM D638
Elongation @ Break	> 550	%	ASTM D638
ESCR ( 10% Igepal F0 ,Condition B )	> 2000	hours	ASTM D1693
Oxidative Induction Time ( 200 oC )	> 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	140oC-150oC	Zone 4-X	160oC-170oC
Zone 2	150oC-160oC	Adapter	180oC-190oC
Zone 3	160oC-170oC	Die	190oC-230oC

### 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 9035G has excellent stress cracking resistance and also a long time service life due to excellent ESCR, oxidation, weathering and UV resistances.

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

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# EDMAN

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