



*catalyst of change !*

**READY TO USE NYLON COMPOUND FOR CABLE SHEATHING/PIPE/DUCT APPLICATION**

**PLEXLON 2711** is a ready to use Nylon compound, designed for sheathing of Optical Fibre cables.

The typical properties of the compound for cable sheath are as follows:

<b>S.N</b>	<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>UNIT</b>	<b>Typical Value</b>
1	Specific Gravity	ASTM D 792	Gm/cc	<b>1.06± 0.01</b>
2	MFI	ASTM D 1238	Gm/10 min.	<b>2.5±0.2</b>
3	Tensile Strength at Break	ASTM D 638	Kg/mm <sup>2</sup>	<b>≥4.5</b>
4.	Elongation at Break	ASTM D 638	%	<b>&gt;250</b>
5.	Shore Hardness (D-Scale)	ASTMD2240		<b>60</b>
6.	Colour			<b>Orange/ Black/ Natural</b>

**PLEXLON 2711** is a nylon based Rodent, Termite, UV, Abrasion & Hydrocarbon resistant compound that is suitable for both underground and out-door applications.

**Processing**

The adoption of correct extrusion condition is vital to obtain the optimum performance.

The suggested extrusion temperature profile is

**feed (180)-compression (200)-metering (220)-Die (230) ° C;**

Pls note: Exact processing condition depends upon the screw design, its size, L/D ratio and the line speed.

Pls contact the company for our processing recommendations base on the profile of your extruder.

### **Pre Drying**

For better result it is recommended to pre dry the material at 80 C for 6 hrs prior to extrusion.

### **Packing**

**PLEXLON 2711** is available in 25Kg moisture proof packing. This material is hygroscopic in nature, so proper care should be taken during storage & handling.

For further details, please contact us at:

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#### [About the company](#)

Alchemix Pte Ltd is a Singapore registered company specializing in technology transfer, development and production of specialty products for the cable industry. Kindly contact us at [plexchem@plexchem.com.sg](mailto:plexchem@plexchem.com.sg) if you need further information.

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