

Technical Data Sheet

Petrothene PP1711

W&C Polyolefin Compound



Product Description

Petrothene PP1711 is a nucleated polypropylene copolymer compound selected by customers for use as fiber optic cable buffer tubes. This resin's robust additive package provides enhanced thermal stability during processing and long term service at elevated temperature.

Regulatory Status

For regulatory compliance information, see *Petrothene* PP1711 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Wire & Cable
Market	Wire & Cable
Processing Method	Wire & Cable
Attribute	Good Processability; High ESCR (Environmental Stress Cracking Resistance); Low Density

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	5.5	g/10 min	5.5	g/10 min	ASTM D1238
Density, (23 °C)	0.92	g/cm ³	0.92	g/cm ³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	225000	psi	1550	MPa	ASTM D790
Tensile Strength	2800	psi	19.3	MPa	ASTM D638
Tensile Elongation at Break	300	%	300	%	ASTM D638

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

General Extrusion Conditions

<u>Extruder Zone</u>	<u>Temperature Range</u>	<u>Extruder Zone</u>	<u>Temperature Range</u>
Feed	340 - 360 °F (171 - 182 °C)	Zone 4-X	420 - 440 °F (216 - 227 °C)
Zone 2	370 - 400 °F (188 - 204 °C)	Adapter	420 - 440 °F (216 - 227 °C)
Zone 3	420 - 440 °F (216 - 227 °C)	Die	420 - 440 °F (216 - 227 °C)

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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