

## Lushan PJ-1 Polypropylene Compounds for Steel Pipe Top Coats

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Polypropylene compound for steel pipe top coats Lushan PJ-1 is used for 3LPP coating system in colored white. It is supplied in pellets for melt extrusion or in a powder for application by spray or other special means. Polypropylene compound for steel pipe top coats Lushan PJ-1 was developed by Guangzhou Hot-melt Adhesive Engineering and Technical R&D Center, and used as top coats anti-corrosion material for 3LPP buried anti-corrosion steel pipe coating or coated steel plastic composite pipes in the application of oil&gas transportation systems and high pressure water pipeline system. Polypropylene compound for steel pipe top coats Lushan PJ-1 has good properties such as widely processing range, high compatibility with adhesive and excellent mechanical properties, excellent thermal aging resistance and UV protection, etc. Information provided by Lushan

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lushan-PJ-1-Polypropylene-Compounds-for-Steel-Pipe-Top-Coats.php](http://www.lookpolymers.com/polymer_Lushan-PJ-1-Polypropylene-Compounds-for-Steel-Pipe-Top-Coats.php)

Physical Properties	Metric	English	Comments
Density	0.906 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.030 %	0.030 %	ISO 585
Environmental Stress Crack Resistance	1300 hour	1300 hour	ISO 21809-1
Oxidative Induction Time (OIT)	32 min	32 min	ISO 21809-1
Melt Index of Compound	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Izod Impact, Notched (ISO)	30.0 kJ/m <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	138 Â°C	280 Â°F	ASTM D1525
Brittleness Temperature	<= -30.0 Â°C	<= -22.0 Â°F	ASTM D746

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.60e+14 ohm-cm	6.60e+14 ohm-cm	DIN IEC 60093
Dielectric Strength	0.0250 kV/mm	0.635 kV/in	DIN IEC 60243-2

Descriptive Properties	Value	Comments
Heat-Proof Aging	0.23	140Â°C, 100D; DIN 30678
Indentation Hardness	0.21 mm	@ 90Â°C, DIN30678

## Contact Songhan Plastic Technology Co.,Ltd.

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