

L-5R(XQ)

GRAFTED POLYETHYLENE ADHESIVE FOR STEEL PIPE COATING

Description

The product is maleic grafted polyethylene copolymer adhesive. It is in granule form.

Applications

The product is recommended as an adhesive for standard three layer PE coating system used in Steel Pipe Coating for exploration & transportation of natural gas, oil, chemical liquids, water, etc in long distance transportation.

Lushan Solution

Lushan high density polyethylene system, for operating temperatures from -45° C to +90° C.

Specifications

The product is intended to fulfill following National and International standards, when appropriate industrial manufacturing standard procedures are applied and a continuous quality system is implemented and when used in combination with PE top coats and a compatible powder epoxy.

NFA 49-710 CAN/CSA-Z245.21 DIN 30670 ISO 21809-1

Technical Property

Item	Test Standard	Unit	L-5R(XQ)
Appearance	Visual	/	Granule
Operating Temperature	/	°C	-40~80
Melting Index	ASTM D1238	g/10min	2.5
Density	ASTMD792	g/cm3	0.930
Tensile Strength	ASTM D638	Mpa	21
Elongation At Break	ASTM D638	%	860

Melting Point	ASTM D2117	°C	120
Vicat Softening Point	ASTM D1525	°C	104
Brittleness Temperature	ASTM D746	°C	-70
Peeling Strength (3 layer)	ISO21809-1 N/cm	20 $\pm$ 5°C	≥160
		50 $\pm$ 5°C	≥130
		60 $\pm$ 5°C	≥80
		80 $\pm$ 5°C	≥60
		90 $\pm$ 5°C	-

Processing Temperature(For Recommendation)

Processing Temperature (°C)	Preheating Zone	Middle Zone	Transition Zone	Mould Head	Melt Temperature
L-5R(XQ)	150~180	190~220	190~220	200~220	190~220

Note: The above mentioned processing temperature is just for the purpose of recommendation, not intended as specification. The actual conditions will depend on the type of equipment used.

Packaging&Storage

1. Packed in 25kgs Paper-plastic bags.
2. Stored in a dry, cool and ventilated environment; avoid direct exposure to water and strong light. Avoid bulk package and securely wrap the unused part.
3. Shelf Life: one year.

Safety

The product is not classified as a dangerous preparation. The equipment should be grounded in case of any dust explosion caused by dust and fines produced during handling and transportation. Avoid Inhalation because it can irritate respiratory tract. Good ventilation is necessary otherwise a small amount of smoke may generate during processing.

Disclaimer

It's the consumer responsibility to read carefully in this data sheet. In order to satisfy itself as to the suitability of the products for the customers particular purpose, it is of great necessity to inspect and test our products before real production. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.