

PR 298

GRAFTED POLYPROPYLENE ADHESIVE FOR STEEL PIPE COATING

Description

The product is maleic grafted polypropylene copolymer adhesive in granule form.

Applications

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

Special Features

The product can be used as an adhesive for PP three layer or multi-layer thermal insulation systems at temperatures up to 140°C.

Specifications

The product is intended to fulfill 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 PP top coats (ourPJ-1) and a compatible powder epoxy.

NFA 49-711 DIN 30678 ISO 21809-1

Processing Temperature (For Recommendation)

Processing Temperature (°C)	Preheating Zone	Middle Zone	Transition Zone	Mould Heat	Melt Temperature
PR298	140 ~160	190~210	190~210	190~210	190~210

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 25 kg paper plastic bags.
2. Stored in a dry, cool and ventilated environment; avoid exposure to water and strong light. Avoid bulk package and securely wrap unused part.
3. Shelf Life: One Year

Technical Property

Item	Test Standard	Unit	PR298
Appearance	Visual	/	Granule
Operating Temperature	/	°C	-20~110
Melting Index	ASTM D1238	g/10min	2.0
Density	ASTMD792	g/cm3	0.892
Tensile Strength	ASTM D638	Mpa	-
Elongation At Break	ASTM D638	%	500
Melting Point	ASTM D2117	°C	160
Vicat Softening Point	ASTM D1525	°C	130
Brittleness Temperature	ASTM D746	°C	≤-30
Peeling Strength (3 layer)	ISO21809-1 N/cm	20±5°C	≥200
		50±5°C	≥150
		60±5°C	-
		80±5°C	-
		90±5°C	≥100
		140±5°C	≥60

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

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