

ADD UNITED

Addalloy 3002

Polypropylene Compound for Steel Pipe Coating

Product Description

Addalloy 3002 is used for 3LPP coating system in natural colored. It is supplied in pellets for melt extrusion. Addalloy 3002 is a high molecular weight, high compatibility with PP adhesive, good melt flow rate and excellent physical and chemical properties polypropylene block copolymer and is recommended for steel pipe coating in the application of oil and gas transportation systems and high pressure water pipeline system.

The Addalloy 3002 application/uses: -

PP Steel Pipe Coating System

General			
Material Status	• Commercial: Active		
Availability	• Middle East, Europe		
Features	• Clean/High Purity	• Good properties	• Excellent Process ability
Uses	• Coating System		
Appearance	• Natural		
Forms	• Pellets		
Packaging	• 25 sacks		
Processing Method	• Extrusion		

Physical	Nominal Value Unit	Test Method
Density	0.90 ± 0.02 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	0.8 – 1.1 g/10 min	ISO 1133
Water content	<0.1 %	ISO 15512

Mechanical	Nominal Value Unit	Test Method
Tensile Strength min.	22 MPa	ISO 527
Tensile Strain min.	100 %	ISO 527
Hardness	68±1 D	ASTM D2240

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature min.	150±2 °C	ISO 306/A50

Extrusion
As a guide the following temperature profile is recommended: 170°C 190°C 210°C 220°C 230°C

Storage
Sacks should be stored in dry/closed condition at temperature below 50 °C and protected from UV /direct sunlight

Shelf Life
Shelf life at proper storage is at least 18 month from production date, but in case of a long storage time potential moisture pick-up needs to be eliminated by drying before extrusion.

MALAYSIA

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