



## Kimcross 1545

### Tie Layer Adhesive

#### Product Description

Kimcross 1545 is a tie layer adhesive and generally used for multilayer pipes (PE-X/AL/PE-X). Kimcross 1545 keeps the properties of polyolefins such as good resistance to chemical solvents, weather resistance, mechanical performance, and processing.

#### General

Features	• Adhesion Durability	• Good Adhesion	• Excellent Processability
Uses	• Coating Applications		
Appearance	• Natural		
Forms	• Pellets		
Packaging	• 25 sacks		
Processing Method	• Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	2 ±0.3	g/10 min	ISO 1133
Water content	< 0.1	%	ISO 15512

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 16.0	MPa	ISO 527
Tensile Stress (Yield)	>11	MPa	ISO 527
Tensile Strain (Break)	> 500	%	ISO 527

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/A50

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ISO 868

#### Extrusion

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die	Melt Temp
150	160	175	180	190	190	200-210

#### Shelf life

Sacks should be stored in dry/closed conditions at a temperature below 50 °C and protected from UV /direct sunlight. Shelf life at proper storage is at least 18 months from the production date, but in case of a long storage time, potential moisture pick-up needs to be eliminated by drying before extrusion.

#### Note

- Test results have been achieved in lab condition. Miss handling may give a different result and sometimes outside of the standard
- The specifications given are the guidelines only.
- Above compound is suitable to run on different machines; however, some adjustments may be required on the individual machine.
- The customers are advised to check the quality, before commercial use. There is no guarantee and/or warranty what so ever, after processing