



## Technical Data Sheet

### PTAcross1205/1406

Cross-linkable Polyethylene

#### Product Description

PTAcross 1205 is a silane grafted MDPE compound, curable by exposure to moist conditions, circulation of hot water or being at ambient. And shows good extrusion properties at high output rates. The highly cross-linked materials produced by the two-component system show excellent impact strength, ESCR, creep and internal pressure resistance under ambient and elevated temperature conditions.

PTAcross 1205 is designed for the requirements in ASTM F1281 for hot and cold water pressure multilayer pipes in inner layer.

PTAcross 1205 is used with PTAcross 1406 (a catalyst masterbatch) in the ratio of 95:5.

#### General

Features	• Natural/High Purity	• Good surface quality
Uses	• High temperature pressure pipe	• Multilayer pipe • Inner layer
Processing Method	• Extrusion	
Additives	• Anti-oxidant	
Appearance	• Natural	
Form	• Pellets	
Packaging	• 25 Kg sacks	

Physical	Typical Value	Unit	Test Method
Density	0.945	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5 kg)	4.0±1.0	g/10 min	ASTM 1238

Mechanical	Typical Value	Unit	Test Method
Tensile Strength	21±2	MPa	ASTM D638
Elongation (Break)	>500	%	ASTM D638
Gel content	70	%	ASTM D2765

#### Extrusion

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
140	160	180	190	210	220

#### Storage

This product should be stored in dry place away from sunlight