



P4609

POLYETHYLENE RESIN FOR PIPE EXTRUSION

Relene P4609 is a natural color grade for pipe extrusion. It possesses broad molecular weight distribution balancing processability, and mechanical properties. The grade has good processability, and suitable for blow molding applications as well.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/5.0 Kg)	ASTM D1238	gm/10 min	0.9
Density (23°C)	ASTM D1505	gm/cm ³	0.949
Tensile Strength at Yield	ASTM D638	MPa	24.0
Elongation at Yield	ASTM D638	%	11
Elongation at Break	ASTM D638	%	>600
Oxidative – Induction Time	ASTM D3895	Min	>30

* Typical values not to be taken as specification

**Mechanical Properties are on Compression Moulding

Applications:

- Pipes for drinking water, sprinkler irrigation, Industrial effluent
- Also can be used for general Purpose Blow Molding Containers

Typical Process Conditions:

- Typical Process Temp (°C) - 180 – 220

Regulatory Information

- The level of antioxidant is not more than 0.3% by mass of the resin.
- For regulatory information please contact organization representative.
- BIS Designation Code : IS 7328-3B-PB-ETA.
- Not to be used in the manufacture of Single Use Plastic (SUP) items prohibited under PWM Rules, 2016.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50°C and protected from UV / direct sunlight.