Provisional Technical Datasheet

ER00V

OPalene PP

Polypropylene Random Co Polymer — Extruded Pipes & Sheets

Product Description:

PP Random Co polymer ER00V is a natural colored high performance grade produced with the latest Ineos Gas Phase polymerization Technology exhibiting following features:

- Good Processability
- Good balance of stiffness & Impact strength
- Long Term Heat Stabilization

PP Random Co Polymer ER00V is recommended for Extrusion process to produce:

- ✓ Extruded Pipes
- ✓ Extruded sheets & profiles
- ✓ Thermoforming sheets

Typical Properties:

Sr. No.		Test Method	Units	Values*
Physical Properties				
1	Melt Flow Index (230°C & 2.16 kg)		g / 10 min	0.30
2	Density (23 °C)		Gm/cm^3	0.90
Mechanical Properties				
3	Tensile Strength @ Yield (50mm / min)	ASTM D 638	MPa	30
4	Elongation @ Yield (50mm / min)	ASTM D 638	%	14
5	Elongation @ Break (50mm / min)	ASTM D 638	%	150
6	Flexural Modulus (1.3 mm/min)	ASTM D790A	MPa	1100
7	Notch Izod Impact Strength (@ 23°C)	ASTM D 256	J/m	100
8	Hardness (Rockwell)	ASTM D 785	R Scale	90
Thermal Properties				
9	Heat Deflection Temperature (0.46N/m2)	ASTM D648	°C	95

* Mechanical Properties tested on Injection molded specimen prepared in accordance with ASTM D 4101 and conditioned as per ASTM D 618

* Typical Values and not to be taken as specifications, values may change without any prior notice.

Recommended Processing Temperature: 180 – 230 °C

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