

## TECHNICAL DATA SHEET

## F110

## Polypropylene Homopolymer

### Characteristics

**F110** is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol II Technology**. This homopolymer is primarily suitable for **Extrusion process**.

**F110** combines **exceptional processability with good Slip, Anti Blocking properties, Excellent Clarity and Gloss**.

### Application

- Tubular Quenched (TQ) Film for packaging foodstuffs and garments
- Cast Film

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D 1238	g/10 min	11
Density at 23°C	ASTM D 1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638	MPa	34
Tensile Elongation at Yield (50 mm/min)	(Type I - with Extensometer)	%	9
Flexural Modulus	ASTM D 790A	MPa	1450
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	30
Vicat Softening Point (10N)	ASTM D 1525	<sup>0</sup> C	154
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	<sup>0</sup> C	99

Film Properties (25 micron TQ Film)	Test Method	Unit	Value
Haze	ASTM D 1003	%	2.7
Gloss (20°)	ASTM D 2457	Gloss Unit	157

### Typical Processing Temperature

Barrel Temperature	<sup>0</sup> C	180 – 230
Die Temperature	<sup>0</sup> C	190 – 210

*Mechanical properties are tested on Injection Molded Test Specimens prepared as per ASTM D 4101*

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