

## TECHNICAL DATA SHEET

# TERmicron PP H 905 12 / 15

TEREZ PERFORMANCE POLYMERS

PP

**Processing**

Injection molding

**Delivery Form**

Powder

**Features**

Homopolymer

**Applications**

Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1550	MPa	ISO 527
Yield stress	32	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural modulus, 23°C	1450	MPa	ISO 178
Charpy notched impact strength, +23°C	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	3.5	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 95		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, A	152	°C	ISO 306
Vicat softening temperature, B	87	°C	ISO 306
Optical Properties	Value	Unit	Standard
Haze	4		ISO 14782
Gloss	85		ASTM D 2457

# TERmicron PP H 905 12 / 15

## TEREZ PERFORMANCE POLYMERS

Other Properties	Value	Unit	Standard
Density	905	kg/m <sup>3</sup>	ISO 1183
Bulk density	525	kg/m <sup>3</sup>	

  

Film Properties	Value	Unit	Standard
Stress at yield, parallel	23	MPa	ISO 527-3
Stress at yield, normal	23	MPa	ISO 527-3
Stress at break, parallel	44	MPa	ISO 527-3
Stress at break, normal	34	MPa	ISO 527-3
Maximum strain, parallel	500	%	ISO 527-3
Maximum strain, normal	600	%	ISO 527-3
Dart drop A	270	g	ISO 7765-1
Type of extrusion	cast		
Thickness of specimen	0.05	mm	