

## TECHNICAL DATASHEET

# METALLOCENE LLDPE Q7118N

### PRODUCT DESCRIPTION

**Q7118N** is a metallocene ethylene-hexene copolymer. It has a good processability and performs well in a wide range of general purpose and high performance blown film applications. Films produced with this grade offer good tensile and impact strength, puncture resistance and sealing properties. Q7118N is TNPP free.

### TYPICAL PROPERTY VALUES

PHYSICAL	TYPICAL VALUES	UNITS	TEST METHODS
Melt Index (190°C at 2.16 kg)	1.0	g/10 min.	ASTM D1238
Density / Specific Gravity	918	kg/m <sup>3</sup>	ASTM D1505
Dart Impact Strength	600	g	ASTM D1709
Gloss (45°)	29	%	ASTM D2457
Haze	30	%	ASTM D1003
FILM PROPERTIES			
Tensile Stress at Break MD	55	Mpa	ASTM D882
Tensile Stress at Break TD	45	Mpa	ASTM D882
Tensile Strain at Break MD	500	%	ASTM D882
Tensile Strain at Break TD	600	%	ASTM D882
Tensile Stress at Yield MD	9.4	Mpa	ASTM D882
Tensile Stress at Yield TD	9.6	Mpa	ASTM D882
Elmendorf Tear Strength MD	280	g	ASTM D1922
Elmendorf Tear Strength TD	420	g	ASTM D1922
THERMAL PROPERTIES			
DSC test - Melting point	120	°C	ASTM D3418

### PROCESSING CONDITIONS

Typical processing conditions for **Q7118N**:

Processing temperatures 180 - 230 °C Blow up ratio: (BUR) 2.0 - 4.0

### TYPICAL APPLICATIONS

Heavy duty bags, Agricultural film, Stretch hood, Lamination film, and Frozen bags

### NOTE

This product is not intended for and must not be used in any pharmaceutical/medical applications.

METALLOCENE  
LINEAR LOW DENSITY  
POLYETHYLENE  
Q7118N