



## TECHNICAL DATASHEET

### HP0322N

#### PRODUCT DESCRIPTION

HP0322N is Low Density Polyethylene grade suitable for producing heavy-duty films and does not contain slip and antiblock additives. It gives outstanding toughness and optical properties in the film.

#### TRPICAL APPLICATION

HP0322N can be used for Heavy-duty bags, industrial shrink films, construction and agricultural films..

#### TYPICAL DATA

RESIN PROPERTIES	UNIT	VALUE <sup>(1)</sup>	ASTM TEST METHOD
Melt Flow Rate @ 190°C & 2.16 kg load	g/10 min.	0.33	D 1238
Density @ 23°C	kg/m <sup>3</sup>	922	D 1505
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Strength @ break, MD	MPa	31	D 882
TD		30	
Tensile Elongation @ break, MD	%	450	D 882
TD		690	
Tensile Strength @ yield, MD	MPa	11	D 882
TD		10	
1% Secant Modulus, MD	MPa	190	D 882
TD		210	
Dart Impact Strength	g/ micron	4	D 1709
Tear Resistance, MD	g/ micron	8	D 1922
TD	g/ micron	6	
<b>OPTICAL PROPERTIES <sup>(2)</sup></b>			
Haze	%	11	D 1003
Gloss @ 45°	-	50	D 2457
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	95	D 1525