

# TECHNICAL DATASHEET

## HP0323N



### PRODUCT DESCRIPTION

HP0323N 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.	0.3	D 1238
Density @ 23°C	kg/m <sup>3</sup>	923	D 1505
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Strength @ break, MD	MPa	32	D 882
TD		30	
Tensile Elongation @ break, MD	%	235	D 882
TD		570	
Tensile Strength @ yield, MD	MPa	12	D 882
TD		12	
1% Secant Modulus, MD	MPa	200	D 882
TD		260	
Dart Impact Strength	g/ micron	2	D 1709
Tear Resistance, MD	g/ micron	2.4	D 1922
TD	g/ micron	3	
<b>OPTICAL PROPERTIES <sup>(2)</sup></b>			
Haze	%	15	D 1003
Gloss @ 45°	-	38	D 2457
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	95	D 1525