



# Jampilen EP400G

Heterophasic copolymer

## Description:

"Jampilen EP400G" is a heterophasic polypropylene copolymer designed for extrusion applications where smooth processability and a good balance of mechanical properties are required. "Jampilen EP400G" offers excellent processability and the final items show good stiffness and outstanding impact resistance, even at temperatures down to -20°C.

The major applications of "Jampilen EP400G" are the production of corrugated board and the extrusion of sheet for thermoforming. Other applications include blow molded bottles and containers for detergents and foodstuffs as well as technical parts for the automotive and appliance industries. "Jampilen EP400G" is suitable for food contact.

## Processing Method:

Extrusion  
Blow molding

## Features:

Good stiffness  
Excellent processability  
Very high impact strength  
Heterophasic copolymer

## Typical Applications:

Corrugated board  
Sheet for thermoforming  
Blow molded bottles and containers for detergents and foodstuffs  
Technical parts for the automotive and appliance industries

## Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	1.3	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23°C	650	J/m	ASTM D256
Izod Impact Strength (notched) at 0°C	130	J/m	ASTM D256
Izod Impact Strength (notched) at -20°C	60	J/m	ASTM D256
Rockwell Hardness	82	R Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (9.8N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

4<sup>th</sup> Floor, No. 68, Taban St., Africa Blvd., Tehran, Iran.  
Tel: +9821-84286, Fax: +9821-88879811  
Email: info@jppc.ir  
www.jppc.ir

This data and information is considered to be correct and offered in good faith as a guide. But we do not warrant or otherwise guarantee the merchantability, fitness for a particular purpose or suitability of this information, products or processes described.