

# 1140H

## Polypropylene (PP)

**Description:** 1140H is a Polypropylene Homo-polymer with the characteristic of high clarity and good stiffness. It is suitable for clear sheet thermoforming applications. It also meet food contact regulation requirement.

**Typical application;**

Sheet Extrusion : Thermoforming container and cups  
 Blow Molding : fruit juice containers and bottles

Typical Properties:	Test method	Unit	Value
<b>Melt Flow Index (2.16 kg/230°C)</b>	ASTM D1238	g/10min	2.3
<b>Tensile Strength at Yield</b>	ASTM D638	N/mm <sup>2</sup>	38
<b>Elongation at Yield</b>	ASTM D638	%	25
<b>Charpy Notched Impact Strength (at 23°C)</b>	DIN 53453	mJ/mm <sup>2</sup>	5.8
<b>Flexural Modulus (1% SECANT)</b>	ASTM D790	MPa	1605
<b>Rockwell Hardness</b>	ASTM D785	R-Scale	105
<b>Heat Distortion Temperature (Load 0.45 N/mm<sup>2</sup>)</b>	ASTM D648	°C	106

### Processing Technique

Processing Temperature : 170-290°C

*\*\* However, the actual processing conditions depend on mold design, power of machine, equipment and other environments. \*\**