

## 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 Blow Molding : Thermoforming container and cups : fruit juice containers and bottles

Typical Properties:	Test method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min	2.3
Tensile Strength at Yield	ASTM D638	N/mm <sup>2</sup>	38
Elongation at Yield	ASTM D638	%	25
Charpy Notched Impact Strength (at 23°C)	DIN 53453	mJ/mm <sup>2</sup>	5.8
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1605
Rockwell Hardness	ASTM D785	R-Scale	105
Heat Distortion Temperature (Load 0.45 N/mm²)	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.\*\*

Product Data sheet

REV. 20150728

บธิษัท ไออาร์พีซี จำกัด (มหาชน)

555/2 ศูนย์เอนเบอร์ยี่คอมเพล็กซ์ อาคาร บี ชั้น 6 ถนนวิทาวดีรับสิต แขวงจตุจักร เขตจตุจักร กรุงเทพฯ 10900 โกร. +66(0) 2649-7000,66(0)2649-7777 แฟ็กซ์: +66(0)2649-7002 IRPC Public Company Limited 555/2 Energy Complex Building B, 6<sup>th</sup> Floor, Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 THAILAND. TEL: +66(0)2649-7000,66(0)2649-7777 FAX: +66(0)2649-7002 www.irpc.co.th, www.irpcmarket.com