

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
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min	2.3
Tensile Strength at Yield	ASTM D638	N/mm ²	38
Elongation at Yield	ASTM D638	%	25
Charpy Notched Impact Strength (at 23°C)	DIN 53453	mJ/mm ²	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. ***