

1150H

Polypropylene (PP)

Description:

1150H is a Polypropylene Homo-polymer with the characteristic of very high stiffness, high transparent and high heat resistance for thermoforming. It is suitable for sheet extrusion and blow molding application. It also meets the F.D.A. requirement in the code of federal regulations in 21CFR 177.1520 for food contact.

Typical applications;

Blow Molding : Bottle

Sheet Extrusion: Thermoformed cup and food container, microwavable packaging

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	G/10min.	2
Tensile Strength at Yield	ASTM D638	MPa	41
Izod Notched Impact Strength (at 23°C)	ASTM D256	J/m	86
Flexural Modulus (1% SECANT)	ASTM D790	MPa	2000
Rockwell Hardness	ASTM D785	R-Scale	110
Heat Distortion Temperature (Load 0.45 N/mm²)	ASTM D 648	°C	120

Processing Technique

Processing Temperature : 170 – 290 °C

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

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.