

## Total PPR 7450HC Polypropylene, Film Extrusion Grade

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

### Material Notes:

Random copolymer heat sealable film gradeColor - Low catalyst residuals in FINA 7450HC result in improved color stability.Clarity/Impact - The random copolymer structure of FINA 7450HC improves its clarity and impact resistance over conventional homopolymer films.Heat Sealable - The reduced melting point of FINA 7450HC makes it suitable as a heat seal layer for oriented films.Slip/Antiblock - FINA 7450HC is formulated with a high level of antiblock additive for improved film handling.FDA - FINA 7450HC complies with all applicable FDA regulations for food contact applications.Recommended Applications - FINA 7450HC is recommended for use in either non-oriented cast film processes for manufacture of packaging films that require improved optical and impact properties or as a heat seal layer for oriented films.Processing - FINA 7450HC resin processes on film extrusion equipment with typical melt temperatures of 450-525°F (232-274°C).Data provided by the manufTotal Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPR-7450HC-Polypropylene-Film-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_Total-PPR-7450HC-Polypropylene-Film-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Water Vapor Transmission	11.0 g/m <sup>2</sup> /day @Temperature 37.8 °C	0.708 g/100 in <sup>2</sup> /day @Temperature 100 °F	90% RH; thickness not specified; ASTM E96
Melt Flow	5.0 g/10 min	5.0 g/10 min	Conditions not specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Secant Modulus	0.550 GPa	79.8 ksi	1% Secant Modulus; Non-oriented Film; ASTM D882
Dart Drop	1.77 g/micron	45.0 g/mil	F<sub>50</sub>; ASTM D 1709
Seal Strength	>= 200 g/25 mm	>= 200 g/in	at 135°C, 15 psi pressure and 1 sec.
Film Tensile Strength at Break, MD	27.6 MPa	4000 psi	Non-oriented film; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	143 °C	289 °F	DSC

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	Non-oriented film; ASTM D1003
Gloss	80 %	80 %	45°; Non-oriented film; ASTM D2457

Processing Properties	Metric	English	Comments
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Processing Properties

Metric <sup>74 °C</sup>

English <sup>125 °F</sup>

Comments on

## Contact Songhan Plastic Technology Co.,Ltd.

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