

HOPELEN FC-150U

Polypropylene Homopolymer

Lotte Chemical Corporation

Message:

HOPELEN FC-150U is a high flow polypropylene homopolymer designed for the production of cast film and general extrusion applications. Typical applications are packaging foodstuffs such as pasta, snacks, biscuits, bakery products and confectionery, film for food contact. It is formulated with slip and anti-block package.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	High Flow		
	Homopolymer		
	Slip		
Uses	Cast Film		
	Film		
	Food Packaging		
RoHS Compliance	RoHS Compliant		
Processing Method	Cast Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.3	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 100	%	ASTM D638, ISO 527-2
Flexural Modulus	1720	MPa	ASTM D790, ISO 178
Coefficient of Friction (Cast Film)	< 1.0		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648, ISO 75-2/B
Melting Temperature	164	°C	Internal Method, ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (30.0 µm, Cast Film)	< 1.0	%	ASTM D1003

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