

SEETEC PP T3450L

Polypropylene Terpolymer

LG Chem Ltd.

Message:

Applications:

Sealing layer of PP film (CPP & IPP)

Description:

Seetec T3450L is a polypropylene-ethylene-butene random terpolymer designed for the production of sealing layer of PP film (T-Die and Inflation). It offers high transparency, low sealing temperature and good physical properties. SEETEC T3450L meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520. and EU Directive 10/2011 for food contact.

General Information			
Additive	Antiblock		
	Slip		
Features	High Clarity		
Uses	Film		
Agency Ratings	EU 10/2011		
	FDA 21 CFR 177.1520		

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	19.6	MPa	ASTM D638
Tensile Elongation ² (Break)	> 500	%	ASTM D638
Flexural Modulus	785	MPa	ASTM D790
Coefficient of Friction	< 1.0		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Tensile Strength			ASTM D882
MD : Break	29.4	MPa	
TD : Break	27.5	MPa	
Tensile Elongation			ASTM D882
MD : Break	> 500	%	
TD : Break	> 500	%	
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	118	°C	ASTM D1525 ³
Melting Temperature	129	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	145		ASTM D2457
Haze	1.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Heat Seal Temperature	117	°C	Internal Method
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190	°C	
Cylinder Zone 2 Temp.	220	°C	
Cylinder Zone 3 Temp.	230	°C	
Adapter Temperature	230	°C	
Die Temperature	230	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Loading 1 (10 N)		

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