

Hanwha Total PP TF430

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

TF430 is a polypropylene terpolymer with ethylene and 1-butene comonomer. TF430 is used as a aluminium metallized layer for CPP(cast PP) film.

General Information			
Features	Antiblocking		
	Butene Comonomer		
	Good Processability		
	Terpolymer		
Uses	Cast Film		
	Packaging		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.910	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)	73		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	27.5	MPa	
Break	34.3	MPa	
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus ³	883	MPa	ASTM D790
Coefficient of Friction	0.70		ASTM D1894
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD ⁴			ASTM D882
Yield	24.5	MPa	
Break	39.2	MPa	
Tensile Elongation - MD ⁵ (Break)	450	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525 ⁶

Optical	Nominal Value	Unit	Test Method
Gloss	86		ASTM D2457
Haze (30.0 μm)	2.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	300 mm/min		
5.	300 mm/min		
6.	Loading 1 (10 N)		

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