

Trilene® HF10TQ

Polypropylene Homopolymer

Chandra Asri Petrochemical

Message:

Trilene HF10TQ is a polypropylene homopolymer for production of tubular water quenched (IPP) Film.
This grade uses Unipol® polypropylene technology with the latest catalyst technology.

General Information			
Additive	Anti-caking agent		
	slip agent		
Features	High strength		
	smoothness		
	Optical		
	Homopolymer		
	Anti-caking property		
	Workability, good		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ²	1280	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ³
Peak Melting Temperature ⁴	163	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Die Temperature	200 - 220	°C	
Extrusion instructions			

Water Bath Temperature: 25 to 30°C

NOTE

1.	50 mm/min
2.	1.3 mm/min
3.	标准 B (120°C/h)
4.	10°C/min, 2nd heat

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