

Trilene® HI10HO

Polypropylene Homopolymer

Chandra Asri Petrochemical

Message:

Trilene HI10HO is a polypropylene homopolymer for containers, housewares, and general purpose injection molding applications. This grade uses Unipol® polypropylene technology with latest catalyst technology.

General Information			
Features	General Purpose		
	Good Processability		
	Homopolymer		
Uses	Containers		
	General Purpose		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1		
Forms	Pellets		
Processing Method	Injection Molding		
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)	104	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ³
Peak Melting Temperature ⁴	163	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			
1.	50 mm/min		

2.	1.3 mm/min
3.	Rate B (120°C/h)
4.	10°C/hr, 2nd heat

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