

Trilene® HI35HO

Polypropylene Homopolymer

Chandra Asri Petrochemical

Message:

Trilene HI35HO is an excellent high flow polypropylene homopolymer for thin-walled and multicavity household and fine denier spunbond non wovens fabrics.

This grade uses Unipol® polypropylene technology, with latest catalyst technology.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Fast Molding Cycle		
	Good Mold Release		
	High Flow		
	High Gloss		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Closures		
	Household Goods		
	Nonwovens		
	Packaging		
	Spunbond Nonwovens		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	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)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ²	1260	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	30	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	200 to 240	°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/min, 2nd heat		

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Recommended distributors for this material

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