

Trilene® BI9.0GA

Polypropylene Impact Copolymer

Chandra Asri Petrochemical

Message:

Trilene BI9.0GA is an Impact Copolymer Polypropylene (ICP) for housewares, pail for paint Automotive parts, electric appliance part that requiring good impact strength.
This grade use Unipol® polypropylene technology with latest catalyst technology.

General Information			
Features	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Appliances		
	Automotive Applications		
	Household Goods		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant ²	1230	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	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	148	°C	ASTM D1525 ³
Peak Melting Temperature ⁴	163	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 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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