

HiPrene® T150DH

Thermoplastic Polyolefin Elastomer

GS Caltex

Message:

HiPrene® T150DH is a semi-high flow olefinic thermoplastic elastomer (TPE-O). This material has excellent impact resistance even at low temperatures. It has been primarily designed for Airbag Cover. This material is available in natural or color-matched, pellet form.

General Information			
Features	Impact resistance, good		
	High liquidity		
	Low temperature impact resistance		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Ash Content (600°C)	1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.3	MPa	ASTM D638
Tensile Elongation (Break)	490	%	ASTM D638
Flexural Modulus ¹ (23°C)	500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	120	kJ/m ²	ASTM D256
23°C	No Break		ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Hopper Temperature	40.0 - 80.0	°C	
Processing (Melt) Temp	210 - 250	°C	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	4.00 - 6.50	MPa	
Injection instructions			
Back Pressure: Low to MediumScrew Speed: Low to MediumInjection Speed: 100 to 200 m/min			
NOTE			

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Recommended distributors for this material

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