

COSMOPLENE® H101E

Polypropylene Homopolymer

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE H101E is Polypropylene Homopolymer designed for high stiffness and tensile strength.

COSMOPLENE H101E is specially designed as medium flow, high toughness grade for industrial application like automotive parts.

General Information			
Features	Good Strength		
	Good Toughness		
	High Stiffness		
	Homopolymer		
Uses	Automotive Applications		
	Industrial Applications		
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)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	46.2	MPa	ASTM D638
Tensile Elongation (Break)	830	%	ASTM D638
Flexural Modulus	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	2.9	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	165	°C	Internal Method
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	40.0 to 50.0	°C	
Injection Pressure	6.86	MPa	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

