

Cosmoplene® Y101H

PP

The Polyolefin Company (Singapore) Pte Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	34.3	MPa	ASTM D 638
Flexural Modulus	1420	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	120	°C	ASTM D 648
Melting Temperature	165	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	220 - 260	°C	-
Mold temperature	40 - 50	°C	-
Injection pressure	6.9	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

Homopolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Electrical and Electronical

Regional Availability

Asia Pacific