

Monprene® OM-10268-01

Thermoplastic Elastomer

Teknor Apex Company

Message:

Monprene® OM-10268-01 is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding. Monprene® The main characteristics of the OM-10268-01 are: flame retardant/rated flame.

Typical application areas include:

Handle
engineering/industrial accessories
Electrical/electronic applications
electrical appliances
Tools

General Information	
Uses	Handle
	overmolding
	Electrical appliances
	Power/other tools
	Soft handle
	Mobile phone
	Sporting goods
	Stationery
	Knob
	Dental application field
	Toothbrush handle
	Bonding
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	65		ASTM D2240
Shaw A, 10 seconds	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.27	MPa	ASTM D412

Tensile Elongation (Break)	560	%	ASTM D412
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value		
Adhesion to ABS			
Adhesion to PC			
Adhesion to PC/ABS			
Injection	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	138 - 160	°C	
Middle Temperature	182 - 199	°C	
Front Temperature	182 - 199	°C	
Nozzle Temperature	193 - 210	°C	
Processing (Melt) Temp	177 - 199	°C	
Mold Temperature	4.44 - 48.9	°C	
Injection Pressure	1.38 - 5.52	MPa	
Back Pressure	0.172 - 0.862	MPa	
Screw Speed	50 - 100	rpm	
Cushion	3.81 - 25.4	mm	
Injection instructions			
潮湿会使材料降解.建议进行干燥处理.可以把材料放入除湿干燥机,在140°F的温度下干燥2-4小时.			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	138 - 149	°C	
Cylinder Zone 2 Temp.	149 - 160	°C	
Cylinder Zone 3 Temp.	160 - 182	°C	
Cylinder Zone 5 Temp.	171 - 193	°C	
Die Temperature	182 - 204	°C	

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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



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