

# Monprene® MP-1426D XRD3 (PRELIMINARY DATA)

Thermoplastic Elastomer  
Teknor Apex Company

Message:

Monprene® MP-1426D XRD3 (PRELIMINARY DATA) 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 features of MP-1426D XRD3 (PRELIMINARY DATA) are: ROHS certification.

Typical application areas include:

- Sealing applications
- packing
- engineering/industrial accessories
- hat/cap/cork
- Hose

General Information			
Uses	Handle		
	Packaging		
	Washer		
	Pipe fittings		
	Seals		
	Sealing device		
	Weather-resistant sealing strip		
	Shell		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	67		ASTM D2240
Shaw A, 5 seconds	63		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	5.86	MPa	ASTM D412

Tensile Strength (Break)	9.31	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412

#### Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	193 - 227	°C
Middle Temperature	199 - 232	°C
Front Temperature	204 - 238	°C
Nozzle Temperature	204 - 238	°C
Processing (Melt) Temp	204 - 243	°C
Mold Temperature	35 - 49	°C
Injection Pressure	1.38 - 5.52	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

#### Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	182 - 232	°C
Cylinder Zone 2 Temp.	188 - 238	°C
Cylinder Zone 3 Temp.	193 - 243	°C
Cylinder Zone 5 Temp.	199 - 249	°C
Die Temperature	199 - 249	°C

#### Extrusion instructions

螺杆转速 30 - 100 rpm

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