

ESPOLEX WT466

Thermoplastic Polyolefin Elastomer

Sumitomo Chemical America, Inc.

Message:

ESPOLEX WT466 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by profile extrusion molding or injection molding, and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The application fields of ESPOLEX WT466 include thin plates, engineering/industrial accessories, sealing applications and hoses.

General Information			
Uses	Washer		
	Pipe		
	Seals		
	Sheet		
	Profile		
Processing Method	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	3.90	MPa	ISO 37
Tensile Stress ² (Break)	13.5	MPa	ISO 37
Tensile Elongation ³ (Break)	740	%	ISO 37
Compression Set (70°C, 22 hr)	75	%	ASTM D395B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 - 243	°C	
Mold Temperature	21.1 - 48.9	°C	
Injection Rate	Fast		
Back Pressure	0.345 - 0.689	MPa	
Injection instructions			
Injection Pressure: HighPack/Hold Pressure: 40-70% of Inj PressScrew RPM: SlowPart Draft: 3-6° per sideTool Surface Finish: Light Texture			
NOTE			
1.	Type 1A, 200mm/min		
2.	Type 1A, 200mm/min		
3.	Type 1A, 200mm/min		

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