ESPOLEX WT502

Thermoplastic Polyolefin Elastomer

Sumitomo Chemical America, Inc.

Message:

ESPOLEX WT502 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: sealing applications. The main characteristics are: beautiful.

General Information			
Features	Excellent appearance		
Uses	Seals Profile		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.880	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	50	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A	72		ASTM D2240
Shaw A, 5 seconds	66		ASTM D2240
Shaw A, 15 seconds	64		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	2.10	MPa	ASTM D412
Tensile Strength [2] (Break)	7.70	MPa	ASTM D412
Tensile Elongation [3] (Break)	760	%	ASTM D412
Compression Set (70°C, 22 hr)	45	%	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.	Mouth die C, 500 mm/min		
2.	C mold, 500 mm/min		
3.	Mouth die C, 500 mm/min		

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