

# Sarlink® TPE ME-2385N

Teknor Apex Company - Thermoplastic Elastomer

Thursday, June 29, 2017

## General Information

### Product Description

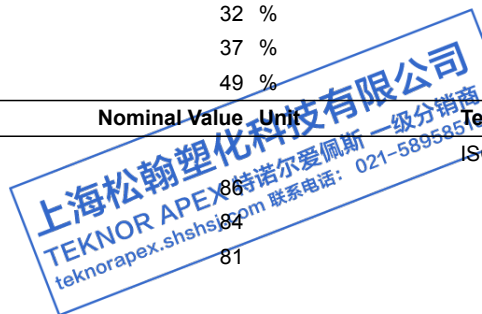
ME-2385N is a high performance injection molding thermoplastic elastomer designed for automotive applications, including exterior parts exhibiting sunlight resistance and UV absorbing characteristics.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • High Gloss • Light Stabilized • Low Density	• Low Specific Gravity • Lubricated • Medium Flow • Slip	• Sunlight Resistant • UV Absorbing
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Exterior Trim
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup>			ISO 37
Across Flow : 100% Strain	525	psi	
Flow : 100% Strain	637	psi	
Tensile Stress <sup>2</sup>			ISO 37
Across Flow : Break	2000	psi	
Flow : Break	1320	psi	
Tensile Elongation <sup>2</sup>			ISO 37
Across Flow : Break	830	%	
Flow : Break	620	%	
Tear Strength <sup>3</sup>			ISO 34-1
Across Flow	240	lbf/in	
Flow	260	lbf/in	
Compression Set <sup>4</sup>			ISO 815
73°F, 22 hr	20	%	
158°F, 22 hr	32	%	
194°F, 70 hr	37	%	
257°F, 70 hr	49	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 1 sec, Injection Molded	86		
Shore A, 5 sec, Injection Molded	84		
Shore A, 15 sec, Injection Molded	81		



Revision Date: 6/1/2016

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

# Sarlink® TPE ME-2385N

## Teknor Apex Company - Thermoplastic Elastomer

Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>5</sup>			ISO 188
Across Flow : 230°F, 1008 hr	-4.5	%	
Flow : 230°F, 1008 hr	-14	%	
Across Flow : 100% Strain 230°F, 1008 hr	7.9	%	
Flow : 100% Strain 230°F, 1008 hr	12	%	
Across Flow : 257°F, 168 hr	-2.9	%	
Flow : 257°F, 168 hr	-18	%	
Across Flow : 100% Strain 257°F, 168 hr	6.9	%	
Flow : 100% Strain 257°F, 168 hr	13	%	
Change in Tensile Strain at Break in Air <sup>5</sup>			ISO 188
Across Flow : 230°F, 1008 hr	-3.6	%	
Flow : 230°F, 1008 hr	-16	%	
Across Flow : 257°F, 168 hr	-4.7	%	
Flow : 257°F, 168 hr	-20	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr <sup>6</sup>	3.6		
Shore A, 230°F, 1008 hr	3.8		
Shore A, 230°F, 1008 hr <sup>7</sup>	2.7		
Shore A, 257°F, 168 hr <sup>8</sup>	3.4		
Shore A, 257°F, 168 hr <sup>6</sup>	3.1		
Shore A, 257°F, 168 hr <sup>7</sup>	2.5		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec <sup>-1</sup> )	192	Pa·s	ASTM D3835

Additional Information
FOGGING, 3 HRS @ 100C, 21C PLATE = 98%

**Legal Statement**

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

### Processing Information

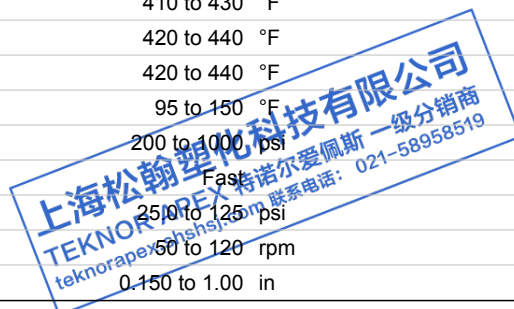
Injection	Nominal Value	Unit
Rear Temperature	390 to 410	°F
Middle Temperature	400 to 420	°F
Front Temperature	410 to 430	°F
Nozzle Temperature	420 to 440	°F
Processing (Melt) Temp	420 to 440	°F
Mold Temperature	95 to 150	°F
Injection Pressure	200 to 4000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in

**Injection Notes**

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Revision Date: 6/1/2016

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.



# Sarlink® TPE ME-2385N

## Teknor Apex Company - Thermoplastic Elastomer

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 400	°F
Cylinder Zone 2 Temp.	390 to 410	°F
Cylinder Zone 3 Temp.	400 to 420	°F
Cylinder Zone 5 Temp.	410 to 430	°F
Die Temperature	420 to 440	°F

### Extrusion Notes

Screw Speed: 30 to 100 rpm

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type 1, 20 in/min

<sup>3</sup> Method Ba, Angle (Unnicked), 20 in/min

<sup>4</sup> Type A

<sup>5</sup> Type 1

<sup>6</sup> 5 sec

<sup>7</sup> 1 sec

<sup>8</sup> 15 sec

#### Teknor Apex Company Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,  
Engineered Thermoplastics (Chem Polymer)*

505 Central Avenue  
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000  
Fax: 401-725-8095  
Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

#### Teknor Apex U.K. Ltd.

Tat Bank Road  
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100  
Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk

上海松翰塑化科技有限公司  
TEKNOR APEX 特诺尔爱佩斯 一级分销商  
teknorapex.shshsj.com 联系电话: 021-58958519

Revision Date: 6/1/2016

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.