Sarlink® TPV 24564

Teknor Apex Company - Thermoplastic Vulcanizate

Tuesday, July 25, 2023

General Information

Product Description

Sarlink TPV 24564 is a high performance thermoplastic vulcanizate used in a variety of automotive, consumer and industrial applications. Sarlink TPV 24564 is a medium hardness, low density, UV stabilized grade designed for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Flexibility • Good Moldability	• Good Toughness • Good Weather Resistance • Low Density • Low Specific Gravity	• Medium Hardness • Resilient • UV Resistant
Uses	• Appliance Components • Automotive Applications • Expansion Joint • Gaskets	• Glazing • Grommets • Industrial Applications • O-rings	• Plugs • Rubber Replacement • Shock Absorbing Pads • Weatherstripping
Agency Ratings	• UL 94		
RoHS Compliance	• RoHS Compliant		
UL File Number	• QMFZ2.E54709		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.940		ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	750	psi	ISO 37
Tensile Elongation (Break)	350	%	ISO 37
Compression Set			ASTM D395
73°F, 22 hr	23	%	
158°F, 22 hr	36	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	68		
Shore A, 5 sec	64		
Thermal	**Nominal Value**	**Unit**	**Test Method**
RTI Elec	122	°F	UL 746B
RTI Imp	122	°F	UL 746B
RTI Str	122	°F	UL 746B
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in, All Colors)	HB		UL 94
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Xenon Weatherometer			SAE J1960
Elongation Retention, 2000 hrs	78	%	
Tensile Retention, 2000 hrs	84	%	

Revision Date: 4/9/2018

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Legal Statement

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	344 to 416	°F
Middle Temperature	354 to 426	°F
Front Temperature	364 to 436	°F
Nozzle Temperature	374 to 446	°F
Processing (Melt) Temp	374 to 446	°F
Mold Temperature	95 to 140	°F
Injection Pressure	200 to 1000	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 180F.

Notes

[1] Typical properties: these are not to be construed as specifications.

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

www.teknorapex.com
info@teknorapex.com

Teknor Apex B.V.

Brightlands Chemelot Campus Umonderbaan 22
6167 RD Geleen, Netherlands

Phone: +31 46 7020 950
Fax: +31 46 7020 990

www.teknorapex.com
tpe@teknorapex.com

Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Pte. Ltd.

No. 78 Ping Sheng Road
Suzhou Industrial Park
Jiangsu, China 215126

Phone: (86) 512-6287-1550
Fax: (86) 512-6288-8371

www.teknorapex.com
infotaap@teknoapex.com

Teknor Apex Asia Pacific PTE. LTD.

41 Shipyard Road
Singapore 628134

Phone: (65) 6265-2544
Fax: (65) 6265-1821

www.teknorapex.com
infotaap@teknorapex.com

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