+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE OM-1354

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink TPE OM series are high performance specialty thermoplastic elastomers designed for automotive applications requiring excellent bondability to engineered resin substrates. Sarlink TPE OM-1354 is a medium hardness, low density, opaque grade that exhibits excellent adhesion to nylon (polyamide).

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Chemical Resistant • Good Adhesion	• Good Colorability • Good Processability • Low Density	• Low Specific Gravity • Medium Hardness
Uses	• Automotive Applications • Automotive Interior Parts • Bonding	• Flexible Grips • Handles • Knobs	• Overmolding • Rubber Replacement • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding	• Multi Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D412
Across Flow : Break	490	psi	
Flow : Break	590	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	280	%	
Flow : Break	440	%	
Tear Strength			ASTM D624
Across Flow	120	lbf/in	
Flow	110	lbf/in	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	56		
Shore A, 5 sec	54		

Additional Information

Excellent adhesion to nylon (PA)

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	400 to 450	°F
Middle Temperature	410 to 450	°F
Front Temperature	420 to 460	°F
Nozzle Temperature	430 to 470	°F
Processing (Melt) Temp	430 to 470	°F
Mold Temperature	75 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

Notes

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