

# Sarlink® TPE OM-1354

Thermoplastic Elastomer

Teknor Apex Company

## Message:

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 Information			
Features	Low Specific Gravity		
	Low density		
	Workability, good		
	Adhesiveness		
	Good coloring		
	Good adhesion		
	Good chemical resistance		
	Medium hardness		
Uses	Handle		
	overmolding		
	Application in Automobile Field		
	Car interior parts		
	Soft touch application		
	Soft handle		
	Rubber substitution		
	Knob		
RoHS Compliance	Bonding		
	RoHS compliance		
	Opacity		
	Available colors		
	Particle		
	Multiple injection molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240

Shaw A	56		ASTM D2240
Shaw A, 5 seconds	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
Transverse flow: Fracture	3.38	MPa	ASTM D412
Flow: Fracture	4.07	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	280	%	ASTM D412
Flow: Fracture	440	%	ASTM D412
Tear Strength			ASTM D624
Transverse flow	21.0	kN/m	ASTM D624
Flow	19.3	kN/m	ASTM D624

#### Additional Information

Excellent adhesion to nylon (PA)

#### Legal statement

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Injection	Nominal Value	Unit
Drying Temperature	66	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	204 - 232	°C
Middle Temperature	210 - 232	°C
Front Temperature	216 - 238	°C
Nozzle Temperature	221 - 243	°C
Processing (Melt) Temp	221 - 243	°C
Mold Temperature	24 - 60	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	rpm
Cushion	3.81 - 25.4	mm

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