

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 Bonding		
RoHS Compliance	RoHS compliance		
Appearance	Opacity Available colors		
Forms	Particle		
Processing Method	Multiple injection molding Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	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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