

Telcar® TL-3071-60A (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar TL-3071-60A is a general purpose thermoplastic elastomer, available in NAT and BLK, designed for a variety of industrial applications, including seals and gaskets. Telcar TL-3071-60A is a high density, medium hardness grade that is suitable for injection molding.

General Information			
Features	High specific gravity		
	High density		
	Workability, good		
	Good formability		
	Good processing stability		
	High liquidity		
	Fill		
	Medium hardness		
Uses	Handle		
	Washer		
	Industrial application		
	Weather-resistant sealing strip		
	General		
	Knob		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 second, injection molding	62		ASTM D2240
Shore A, 5 seconds, injection molding	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.14	MPa	ASTM D412

Tensile Elongation (Break)	650	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	70.0	Pa·s	ISO 11443

Additional Information

A versatile, general purpose grade for injection moulding. Can be used as supplied, or compounded as a property modifier.

Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	120 - 160	°C
Middle Temperature	160 - 180	°C
Front Temperature	180 - 230	°C
Nozzle Temperature	180 - 230	°C
Processing (Melt) Temp	180 - 230	°C
Mold Temperature	10 - 50	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.500 - 1.50	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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