

Telcar® OBC 4560A

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar® OBC 4560A is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or the Asia-Pacific region. The processing methods are: film extrusion, blown film, blow molding, wire & cable extrusion molding, extrusion, cast film, sheet extrusion molding, thermoforming, profile extrusion molding or injection molding.

Typical application areas include:

Automotive Industry
engineering/industrial accessories

General Information	
Uses	Blow molding applications
	Washer
	Weather-resistant sealing strip
	Application in Automobile Field
	Car interior parts
	Automotive exterior parts
	Car exterior decoration
	General
Appearance	Translucent
Forms	Particle
Processing Method	Film extrusion
	Blow film
	Blow molding
	Wire & Cable Extrusion
	Extrusion
	cast film
	Sheet extrusion molding
	Thermoforming
	Profile extrusion molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.24	MPa	ASTM D412

Tensile Elongation (Break)	880	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	171 - 193	°C	
Middle Temperature	177 - 199	°C	
Front Temperature	182 - 204	°C	
Nozzle Temperature	188 - 210	°C	
Processing (Melt) Temp	188 - 210	°C	
Mold Temperature	25.0 - 65.6	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.172 - 0.345	MPa	
Screw Speed	50 - 100	rpm	
Cushion	3.81 - 25.4	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	166 - 188	°C	
Cylinder Zone 2 Temp.	171 - 193	°C	
Cylinder Zone 3 Temp.	177 - 199	°C	
Cylinder Zone 5 Temp.	182 - 204	°C	
Die Temperature	190 - 210	°C	
Extrusion instructions			
螺杆转速30 - 100 rpm			

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