

Telcar® OBC 4665A

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar® OBC 4665A is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing methods are: blow molding, wire & cable extrusion molding, extrusion, sheet extrusion molding, thermoforming, profile extrusion molding or injection molding.

General Information			
Uses	Blow molding applications		
	Soft touch application		
	General		
Appearance	Translucent		
Forms	Particle		
Processing Method	Blow molding		
	Wire & Cable Extrusion		
	Extrusion		
	Sheet extrusion molding		
	Thermoforming		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.96	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Compression Set			ASTM D395
23°C, 22 hr	15	%	ASTM D395
70°C, 22 hr	41	%	ASTM D395
100°C, 22 hr	65	%	ASTM D395
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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Recommended distributors for this material

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