Trexlink™ 6770

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

Trexlink ™ 6770 is a highly engineered Thermoplastic Elastomer for use in applications requiring integrally colored material. This material is UV stabilized and can be pre-colored in most Automotive Interior or other colors. It can be easily processed by injection molding or blow molding. Applications include critical color matched Automotive components such cup holders, mats, seals, soft seat trim. Also works well for two-shot molding or over-mold components such as grips and handles.

General Information	
Additive	UV stabilizer
Features	Good UV resistance Workability, good Good coloring
Uses	Handle overmolding Seals Car interior parts Car interior equipment Soft handle Seat
Appearance	Available colors
Forms	Particle
Processing Method	Blow molding Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec, Injection Molded)	76		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow [1] (100% Strain)	3.00	MPa	ISO 37
Tensile Stress - Across Flow [2] (Yield)	6.10	MPa	ISO 37
Tensile Elongation - Across Flow [3] (Break)	550	%	ISO 37
Tear Strength - Across Flow [4]	28	kN/m	ISO 34-1
Compression Set [5] (70°C, 22 hr)	38	%	ISO 815
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air [6] (135°C, 1000 hr)	-5.0	%	ISO 188

Change in Tensile Strain at Break in Air [7] (135°C, 1000 hr)	-2.0	%	ISO 188

Additional Information
Change in Color, SAE J1885, 1240.8kJ/m² exposure: <3.0 delta E

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	3.0	hr
Rear Temperature	177 - 216	°C
Middle Temperature	177 - 216	°C
Front Temperature	177 - 216	°C
Nozzle Temperature	188 - 221	°C
Processing (Melt) Temp	182 - 221	°C
Mold Temperature	10.0 - 65.6	°C
Back Pressure	0.0689 - 1.03	MPa
Screw Speed	100 - 200	rpm
Screw L/D Ratio	20.0:1.0	

NOTE	
1.	Type 1
2.	Type 1
3.	Type 1
4.	Method B, right-angle specimen (cut)
5.	Type a
6.	Method B
7.	Method B

Recommended distributors for this material

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WECHAT