

Elastocon® 3353

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 3353 is a white S-B-S thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 3353 is heat sealable and well suited for consumer goods and extruded tubing and profile applications. Elastocon® 3353 can be overmolded and/or coextruded onto polystyrene. Elastocon® 3353 is supplied as ready to use pellets in 50 lb. bag quantities.

General Information	
Features	Good heat sealability Excellent appearance
Uses	Pipe fittings Consumer goods application field Profile
Appearance	White
Forms	Particle
Processing Method	Co-extrusion molding Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.90	MPa	ASTM D412
Tensile Strength	3.40	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	22.1	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	177	°C	
Middle Temperature	188 - 199	°C	
Front Temperature	193 - 204	°C	
Nozzle Temperature	199 - 204	°C	
Processing (Melt) Temp	199 - 204	°C	
Mold Temperature	38 - 49	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.345 - 1.03	MPa	

Injection instructions

Elastocon® 3353 thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	154 - 160	°C
Cylinder Zone 2 Temp.	160 - 171	°C
Cylinder Zone 3 Temp.	171 - 177	°C
Cylinder Zone 4 Temp.	182 - 188	°C
Cylinder Zone 5 Temp.	177 - 182	°C
Die Temperature	160 - 171	°C

Extrusion instructions

Screw Speed: 75 to 125 RPM

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Recommended distributors for this material

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