

Hapsil™ 360

Rubber

Hapco Inc.

Message:

Hapsil 360 is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for casting Hapco's wide variety of rigid and flexible polyurethane resins. Hapsil 360 is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. Hapsil 360 works well with clear and colorless casting resins that typically exhibit a sticky, uncured surface when cast against most silicones. It is easy to mix and de-air, and cures with minimal shrinkage. Hapsil 360 can be used with or without a release agent and is ideal for any application where a strong flexible rubber is required.

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Strength		
	Good Tear Strength		
	Low Shrinkage		
	Medium Rigidity		
Appearance	Light Color		
	Pink		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.70	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	27 to 33		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.93 to 3.28	MPa	ASTM D412
Tensile Elongation (Break)	400 to 450	%	ASTM D412
Tear Strength ²	17.5 to 26.3	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Service Temperature	-34 to 177	°C	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 5.0, Mix Ratio by Volume: 5.6		
Thermoset Mix Viscosity ³ (25°C)	3450 to 3550	cP	ASTM D2393
Demold Time (21°C)	60 to 180	min	Internal Method
Post Cure Time (50°C)	6.0 to 8.0	hr	

NOTE	
1.	Mixed
2.	Die C
3.	Mixed

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