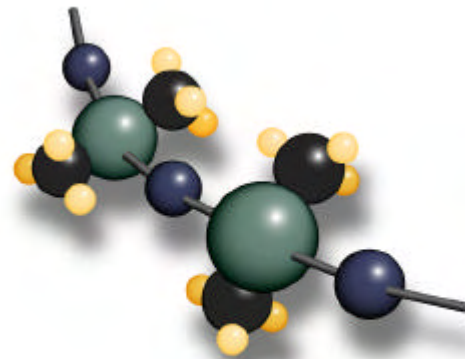


# Polymer Systems *PST* Technology Limited

UK & Ireland Distributor



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Target Applications / Devices	Typical Use of Silicones in Target Applications / Devices	Recommended NuSil Products	Product Descriptions (Mix Ratio, Catalyst, Type)	Durometer Type A	Rheology (Viscosity, cP) (Plasticity, mils) (Extrusion Rate, g / minute)	Remarks/Notes	
<b>Restricted Materials - NuSil technology's restricted materials may be considered for use in short-term implant applications, 29 days or less, or for external applications. It is the responsibility of the device manufacture to determine the safety and efficacy of the device and the materials used in that device.</b>							
Catheter - Foley	Extruded Shaft	SIL-5050	1:1, Platinum, HCR Elastomer	50	80 mils	Class VI Supported	
		SIL-5070	1:1, Platinum, HCR Elastomer	70	120 mils	Class VI Supported	
	Molded Balloon	MED-4128	1 Part, Uncatalyzed, HCR Elastomer	25	71 mils	CAT-102 Peroxide Catalyst Recommended	
		MED-1011	1 Part, Acetoxy, RTV Adhesive	25	135 g / minute	Flowable	
	Adhesives	MED3-4013	1:1, Platinum, RTV or HTV Adhesive	20	Low Flow	Fast Cure, High Extrusion Rate	
		SIL-5950	1:1, Platinum, LSR Elastomer	50	100 g / minute	Class VI Supported	
	Molded Parts	Marking Inks - Ideal for Pad Printing	MED-6613-1	1:1, Platinum, Dispersion	n/a	2,000 cP	White Ink dispersed in Xylene
			MED-6613-2	1:1, Platinum, Dispersion	n/a	2,000 cP	Black Ink dispersed in Xylene
			MED-6613-3	1:1, Platinum, Dispersion	n/a	2,000 cP	Red Ink dispersed in Xylene
MED-6613-6			1:1, Platinum, Dispersion	n/a	2,000 cP	Green Ink dispersed in Xylene	
MED-6613-7			1:1, Platinum, Dispersion	n/a	2,000 cP	Dark Blue Ink dispersed in Xylene	
MED1-6613-7	1:1, Platinum, Dispersion	n/a	2,000 cP	Light Blue Ink dispersed in Xylene			
Siliconization	Spraying or Dipping	MED10-4161	1 Part, Amine, RTV Dispersion	25	140 cP	Amino Functional Silicone Coating dispersed in Xylene	
		MED-4159	1 Part, Amine, RTV Dispersion	n/a	170 cP	Low Crosslink Density dispersed in Aliphatic and Isopropanol solvents	
		MED-4162	1 Part, Non-Curing Dispersion	n/a	29,000 cP	Lubricious Coating dispersed in Xylene	
	Additional Lubrication	MED-361	1 Part, Non-Curing, Fluid	n/a	100 - 100,000 cP	Dimethyl Silicone Polymer to be combined with Dispersior	
Molded Parts	Septum	Injecting Molding	MED-4930	1:1, Platinum, LSR Elastomer	30	75 g / minute	Low Durometer
		Compression / Transfer	MED-4035	1:1, Platinum, HCR Elastomer	35	75 mils	High Tear
	Strain Relief	Liquid Injection Molding	MED-4970	1:1, Platinum, LSR Elastomer	70	40 g / minute	High Durometer
			MED-4960	1:1, Platinum, LSR Elastomer	60	35 g / minute	Mid Durometer
		Compression / Transfer	MED 4065	1:1, Platinum, HCR Elastomer	65	130 mils	High Tear
	Duck-Bill Valve	MED1-4955	1:1, Platinum, LSR Elastomer	55	150 g / minute	Self-Lubricating	
		MED30-4940-1	1:1, Platinum, LSR Elastomer	35	320 g / minute	Low Durometer, Self-Lubricating	
Wound Care	Adhesive layer	MED-6342	1:1, Platinum, Gel	n/a	8,000 cP	Low Penetration, High Tack	
		MED-6345	1:1, Platinum, Gel	n/a	12,000 cP	Medium Penetration, Medium Tack	
		MED-6350	1:1, Platinum, Gel	n/a	22,000 cP	Low Penetration, Medium Tack	
Lubrication	Glass, Metals, Plastics and Rubbers	MED-361	1 Part, Non-Curing, Fluid	n/a	100 - 100,000 cP	Dimethyl Silicone Polymer	
		MED-9011	1 Part, Non-Curing, Grease	n/a	100,000 cP	Low Consistency Dimethyl Silicone Polymer	
		MED-9021	1 Part, Non-Curing, Grease	n/a	275,000 cP	Medium Consistency Dimethyl Silicone Polymer	
		MED-9031	1 Part, Non-Curing, Grease	n/a	900,000 cP	High Consistency Dimethyl Silicone Polymer	
	Silicone Parts - i.e. O-rings, Valves, Catheters	MED-400	1 Part, Non-Curing, Fluid	n/a	350 - 100,000 cP	Fluorosilicone Polymer	
		MED-420	1 Part, Non-Curing, Fluid	n/a	100 - 100,000 cP	Methyl Fluoro Silicone Copolymer (Low Fluoro)	
		MED-460	1 Part, Non-Curing, Fluid	n/a	350 - 100,000 cP	Methyl Fluoro Silicone Copolymer (High Fluoro)	
		MED-6731	1 Part, Non-Curing, Grease	n/a	2,000,000 cP	Fluorosilicone	
	Metal Substrates - i.e. Cutting Edges and Needle Cannulas	MED10-4161	1 Part, Amine, RTV, Dispersion	n/a	140 cP	Amino Functional Silicone Coating dispersed in Xylene	
		MED-4159	1 Part, Amine, RTV, Dispersion	n/a	170 cP	Low Crosslink Density dispersed in Aliphatic and Isopropanol solvents	
Metals, Plastics, and other Silicones	MED-4162	1 Part, Non-Curing, Dispersion	n/a	29,000 cP	Dispersed in Xylene		
RTV=Room Temperature Cure      LCE=Low Consistency Elastomer      LSR=Liquid Silicone Rubber      HCR=High Consistency Rubber							

This document is a general guideline for product selection. Typical properties shown in this document should not be used as a basis for preparing specifications. Please contact NuSil Technology LLC for assistance and recommendations in establishing particular specifications.

Target Applications / Devices	Typical Use of Silicones in Target Applications / Devices	Recommended NuSil Products	Product Descriptions (Mix Ratio, Catalyst, Type)	Durometer Type A	Rheology (Viscosity, cP) (Plasticity, mils) (Extrusion Rate, g / minute)	Remarks/Notes
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**Unrestricted Materials - NuSil technology's unrestricted materials may be considered for use in long-term implant applications (greater than 30 days). It is the responsibility of the device manufacture to determine the safety and efficacy of the device and the materials used in that device.**

Contraceptive Birth Control Ring	Molded Parts	DDU-4340	97.00 : 2.50 : 0.50, Tin-Alkoxy, RTV, LCE Elastomer	50	55,000cP	Pourable
	Inner Core	DDU-4351	97.00 : 2.50 : 0.50, Tin-Alkoxy, RTV Gel	75 "00"	10,000cP	Firm
	Extruded Tubing or Sleeves	DDU-4630	1:1, Platinum, HCR Elastomer	35	70 mils	Low Crosslink Density

Pacemaker	Extruded Tubing	MED 4770	1:1, Platinum, HCR Elastomer	70	110 mils	High Strength
		MED-4765	1:1, Platinum, HCR Elastomer	65	130 mils	High Tear
	Adhesives - High Flow	MED-2000	1 Part, Acetoxy, RTV Adhesive	25	135 g / minute	Self-Leveling
	Adhesive	MED-1137	1 Part, Acetoxy, RTV Adhesive	25	180 g / minute	Non-Slump, Thixotropic
		MED2-4213	1:1, Platinum, HTV Adhesive	15	Low Flow	Fast Cure, Heat Curable
	Injection Molded Parts	MED-4860	1:1, Platinum, LSR Elastomer	60	35 g / minute	High Strength
Compression / Transfer Molded Parts	MED-4765	1:1, Platinum, HCR Elastomer	65	130 mils	High Tear	

Soft Tissue	Molded Parts	MED-4286	1:1, Platinum, LCE Elastomer	55 "000"	A:8,300 cP / B:4,600 cP	Ultra Soft
		MED-4801	1:1, Platinum, LSR Elastomer	40 "00"	160 g / minute	Very Soft
		MED-4805	1:1, Platinum, LSR Elastomer	7	65 g / minute	Low Durometer

Joint Replacement	Molded Parts	MED-4755	1:1, Platinum, HCR Elastomer	55	70 mils	Ultra High Tear
		MED-4770	1:1, Platinum, HCR Elastomer	70	110 mils	Abrasion / Fatigue Resistant

Molded Parts	Septum	Injecting Molding	MED-4830	1:1, Platinum, LSR Elastomer	30	75 g / minute	Low Durometer
		Compression / Transfer	MED-4735	1:1, Platinum, HCR Elastomer	35	75 mils	High Tear
	Strain Relief	Liquid Injection Molding	MED-4870	1:1, Platinum, LSR Elastomer	70	40 g / minute	High Durometer
			MED-4860	1:1, Platinum, LSR Elastomer	60	35 g / minute	Mid Durometer
		Compression / Transfer	MED 4765	1:1, Platinum, HCR Elastomer	65	130 mils	High Tear
	Duck-Bill Valve	MED1-4855	1:1, Platinum, LSR Elastomer	55	150 g / minute	Self-Lubricating	
	Marking Inks - Ideal for Pad Printing	MED-6613-1	1:1, Platinum, Dispersion	n/a	2,000 cP	White Ink dispersed in Xylene	
		MED-6613-2	1:1, Platinum, Dispersion	n/a	2,000 cP	Black Ink dispersed in Xylene	
		MED-6613-3	1:1, Platinum, Dispersion	n/a	2,000 cP	Red Ink dispersed in Xylene	
		MED-6613-6	1:1, Platinum, Dispersion	n/a	2,000 cP	Green Ink dispersed in Xylene	
		MED-6613-7	1:1, Platinum, Dispersion	n/a	2,000 cP	Dark Blue Ink dispersed in Xylene	
		MED1-6613-7	1:1, Platinum, Dispersion	n/a	2,000 cP	Light Blue Ink dispersed in Xylene	

RTV=Room Temperature Cure      LCE=Low Consistency Elastomer      LSR=Liquid Silicone Rubber      HCR=High Consistency Rubber

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