



# MULTIPLE SPECIAL STEEL PVT LTD.

AN ISO 9001:2015 CERTIFIED COMPANY



CATEGORY	Grade		Chemical Properties									Supply Condition	HB	Application
			C	Si	P	Mn	Cr	Ni	Mo	S	V			
PLASTIC	KEYLOS 2311	P20	0.35 0.45	0.2 0.4	-	1.3 1.6	1.8 2.1	-	0.15 0.3	-	-	Q&T	280 - 330	Mould frames, Cores, Cavities for small-medium sized Plastic injection and Compression moulds. Plastic extrusion tools. Rubber moulds.
	KEYLOS 2312	P20 + S	0.35 0.45	0.2 0.4	-	1.3 1.6	1.8 2.1	-	0.15 0.3	0.05 0.1	-	Q&T	280 - 330	Cores for small-medium sized Plastic injection and Compression moulds. Plastic Thermoforming and Rubber moulds. Frames for Die-Casting tools, Mould base.
	KEYLOS UP	P20Modified	0.38 0.48	0.2 0.5	-	1.4 1.7	1.9 2.3	0.3 0.6	0.15 0.3	-	-	Q&T	280 - 330	Big sized Cores and medium sized Cavities for plastic moulding. Rubber moulding. Big frames for Diecasting tools.
	KEYLOS 2738	P20 + Ni	0.35 0.45	0.2 0.4	-	1.4 1.7	1.8 2.2	0.9 1.3	0.15 0.3	-	-	Q&T	290 - 340	Big sized Cavities for injection and Compression moulds, Rubber moulds. Big frames for Die Casting tools. Plastic extrusion tools.
	KEYLOS 2738 MHH	P20 HighHard	0.22 0.32	0.15 0.55	-	1.2 1.6	1.2 1.6	0.8 1.5	0.45 0.7	-	0.1 0.2	Q&T	320 - 360	Big sized Plastic moulds requiring higher Core hardness. Recommended for bumpers, dashboards and door panels. Rubber moulds.
	KEYLOS 2002	P20 HighHard HighGloss	0.2 0.3	0.2 0.5	-	1.4 1.7	1.2 1.6	1.0 1.3	0.55 0.75	-	-	Q&T	360 - 400	Moulds for painted Plastic components. Moulds for transparent-white goods and electronic goods.
	BEYLOS 2711	-	0.5 0.6	0.15 0.35	-	0.6 0.9	0.85 1.15	1.5 1.8	0.3 0.55	-	0.07 0.12	Q&T	370 - 410	Long run injection moulds. Plastic injection and Compression moulds, painted parts requiring high finishing level and wear resistance. Particularly suited for small and medium sized Cores. Mould frames.
	ESKYLOS 2002	P20 HighHard HighGloss	0.2 0.3	0.2 0.5	-	1.4 1.7	1.2 1.6	1.0 1.3	0.55 0.75	-	-	Q&T	360 - 400	ESR version. Moulds requiring higher strength and Mirror finishing like Car lamps, Reflector moulds, Tooling for low/medium run production. Moulds for transparent-white goods and electronic goods.
	ESKYLOS 2083	SS420 Modified	0.33 0.43	<1.0	-	0.3 0.6	12.5 13.5	-	-	-	-	A	<=250	ESR version. Hardenable stainless steel with highest polishability (lens quality) for corrosive plastics. Moulds for Car lamps, Moulds for Medical components. Extrusion tools for corrosive plastics.
	KEYLOS 2085	Stainless Steel	0.3 0.4	<1.0	-	0.3 0.6	15.0 16.5	-	-	0.05 0.1	-	Q&T	[A] <=250 [Q&T] 280 320	Corrosion resistant frames, Corrosion resistant Plastic moulds not requiring Fine Polishing. Cases of Hot Runner Systems.
	KEYLOS 2316	Stainless Steel	0.33 0.43	<1.0	-	<1.0	15.0 17.5	<1.0	1.0 1.3	-	-	Q&T	[A] <=250 [Q&T] 280 320	Corrosion resistant plastic injection moulds, Corrosion resistant extrusion tools. Particularly suitable for PVC. Moulds for Food and Packaging; moulds for Medical and Cosmetics items. Technical Rubber moulds.
	ESKYLOS 2343	H11	0.35 0.4	0.8 1.1	<=0.015	0.3 0.5	5.0 5.5	-	1.2 1.5	<=0.003	0.3 0.5	A	<=220	ESR version. Automobile lights and Reflector moulds.
DIECASTING	BEYLOS 2344	H13	0.35 0.4	0.8 1.1	-	0.3 0.5	4.8 5.5	-	1.2 1.5	-	0.8 1.0	A	<=220	Dies for Aluminium Die Casting, LPDC, Chill moulds for Gravity Casting, Containers for Die-casting presses, Aluminium Extrusion. Extrusion press blocks, Sleeves for Extrusion Presses.
	ESKYLOS 2344 HDC	H13	0.35 0.4	0.8 1.1	<=0.015	0.3 0.5	4.8 5.5	-	1.2 1.5	<=0.003	0.8 1.0	A	<=220	ESR version. According to NADCA #207. Special version also according to "3D" forging process, designed for the most demanding application of high pressure Al-Mg Die Casting. Particularly heat treatment friendly.
	ESKYLOS HIMO	-	0.32 0.4	0.1 0.3	<=0.015	0.3 0.5	4.8 5.5	-	2.0 2.4	<=0.003	0.4 0.7	A	<=220	ESR version. Best choice for die casting. AL-Mg dies for low pressure - Gravity Casting and high pressure Die Casting, Particularly suited for long run dies producing thick walled pieces, also with complicated shapes. Suitable for medium sized and large dies (up to 2 tons). This steel required very high core temperature to optimally perform.
	ESKYLOS 2367	-	0.32 0.4	0.1 0.3	<=0.015	0.3 0.5	4.8 5.5	-	2.8 3.2	<=0.003	0.4 0.7	A	<=220	ESR version. Dies for low pressure Aluminium Gravity Casting and high pressure al-Mg die casting. Recommended for small and medium sized dies (<500kg) for long run productions.
	ESKYLOS OPTIMO	-	0.32 0.4	0.1 0.3	<=0.015	0.3 0.5	4.8 5.5	-	1.5 2.0	<=0.003	0.4 0.7	A	<=220	ESR version. Latest evolution of low silicon steel grade for High Pressure Light Alloys Die Casting. Compared to steel grade 1.2343 ESR it combines a better warm rigidity and warm strength with an excellent toughness. It is recommended for long run dies for AL-Mg parts requiring smooth surface (to be coated or paint). Not recommendable for dies producing small lots neither for non-thermoregulated dies. Best suited for thin Wall Casting.
FORGING	BEYLOS 2714	-	0.5 0.6	0.1 0.4	-	0.65 0.95	1.0 1.2	1.5 1.8	0.45 0.6	-	0.07 0.12	A Q&T	[A] <=250 [Q&T] 370 410	Frames, Cores and Dies for Drop forging, bolster for Aluminium extrusion dies.



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