PACKING COMPOUND GUIDE

ECONOMY & CLASSIC SERVICE PACKING

COMPOUND	ASTM TYPE	MAX. SERVICE TEMP. (W/ H2S & CO2 BELOW 1%) °F / °C	MAX. H_2S %	MAX. CO_2 %	MAX. SERVICE TEMP. (W/ H2S & CO2 @ MAX. LIMITS) °F / °C	CO_2 DECOMP. RESISTANCE UP TO 20%	STEAM	TEAR & ABRASION
SOFT	SBR	160 / 71	2	NR	120 / 49	POOR	POOR	GOOD
HARD	SBR	160 / 71	2	NR	120 / 49	POOR	POOR	GOOD
TEFLON	SBR	160 / 71	2	NR	120 / 49	POOR	POOR	GOOD
BRASSFILLED	SBR	160 / 71	2	NR	120 / 49	POOR	POOR	GOOD
HSN	HNBR	325 / 163	10	20	250 / 121	EXC.	EXC. / GOOD	EXC.
HIGH TEMP	NBR	300 / 149	2	25	250 / 121	GOOD	GOOD	EXC.

PREMIER PACKING / CONE & SPECIALTY

COMPOUND	ASTM TYPE	MAX. SERVICE TEMP. (W/ H2S & CO2 BELOW 1%) °F / °C	MAX. H_2S %	MAX. CO_2 %	MAX. SERVICE TEMP. (W/ H2S & CO2 @ MAX. LIMITS) °F / °C	CO_2 DECOMP. RESISTANCE UP TO 20%	STEAM	TEAR & ABRASION
SUPER LIFE™ 475/575	Polymer	*200 / 93	10	25	200 / 93	EXC.	POOR	GOOD
SUPER LIFE™ 675	Teflon	*210 / 93	10	25	200 / 93	EXC.	POOR	GOOD
SUPER GOLD™	SBR	250 / 121	2	NR	150 / 65	POOR	POOR	GOOD
SB	SILICONE	350 / 176	2	2	250 / 121	POOR	POOR	FAIR
KB™	XNBR	500 / 260	10	10	325 / 162	GOOD	EXC.	EXC.

SUPER DOME™ MATERIALS

SUPER DOME™ / MATERIAL COMPARISON

COMPOUND	ASTM TYPE	MAX. SERVICE TEMP. (W/ H2S & CO2 BELOW 1%) °F / °C	MAX. H_2S %	MAX. CO_2 %	MAX. SERVICE TEMP. (W/ H2S & CO2 @ MAX. LIMITS) °F / °C	CO_2 DECOMP. RESISTANCE UP TO 20%	STEAM	TEAR & ABRASION
375 SUPER DOME™	Polymer	200 / 93	10	25	200 / 93	EXC.	POOR	GOOD
NITRILE SUPER DOME™	NBR	250 / 121	2	5	150 / 65	FAIR	POOR	GOOD
HSN SUPER DOME™	HNBR	325 / 163	10	20	300 / 149	EXC. / GOOD	V. GOOD	EXC.
***AFLAS SUPER DOME™**	TFEP	450 / 232	35	15	350 / 177	FAIR	EXC.	FAIR
KB™ SUPER DOME™	XNBR	500/260	10	10	325/162	GOOD	EXC.	EXC.

APPLICATION NOTES

These guidelines are for general purposes only and should not be the sole determining factor for packing material selection. Each downhole condition must be reviewed individually to determine the best material solution.

SOURCE NOTES
* Aflas is a registered trademark of Aashi Glass Co. Ltd.
* SL 575 low-temperature start-up rating: −40°F
* SL 675 low-temperature start-up rating: −20°F
NR = not rated / not reported in the supplied table.
EXC. = EXCELLENT