Material Specifications / *Material Spezifikation*

Physical Properties and Compounds Comparison / *Physikalische Eigenschaften und Materialvergleich*													
				Standard / *Standard*				Special / *Spezial*					
Original Physical Properties *Original physische Eigenschaften*	Method *Norm*	Unit *Einheit*	Specimen *Ausführung*	DTH-16020	DTH-16028	DTH-16090	DTH-16100	DTH-16024	DTH-16056	DTH-16068	DTH-18020	DTH-18028	DTH-18040
Colour *Farbe*				black *schwarz*	white *weiss*	black *schwarz*	black *schwarz*	white *weiss*	white *weiss*	black *schwarz*	translucent *transparent*	amber *bernstein*	translucent *transparent*
Max. temperature (range air) *Max. Temperatur*		°C		+260	+250	+300	+320	+250	+250	+260	+300	+334	+300
Hardness *Härte*	DIN 53505	Sh A	6 mm	75±5	75±5	75±5	75±5	80±5	80±5	75±5	65±5	70±5	80±5
Modulus 100% *Spannungswert*	DIN 53504	N/mm²	S2	≥10	≥8	≥6	≥5	≥4	≥5	≥8	≥3	≥4	≥4
Tensile strength *Zugfestigkeit*	DIN 53504	N/mm²	S2	≥18	≥14	≥13	≥12	≥18	≥10	≥18	≥16	≥15	≥17
Elongation at break *Reissfestigkeit*	DIN 53504	%	S2	≥140	≥130	≥160	≥150	≥110	≥160	≥160	≥250	≥200	≥220

Compression Set (O-Ring Intrenational Size 214) / *Druckverformungsrest*													
24h 200°C (392°F)	DIN 53517	%			≤20								
70h 200°C (392°F)	DIN 53517	%				≤25							
70h 230°C (446°F)	DIN 53517	%				≤30							
72h 200°C (392°F)	DIN 53517	%		≤25			≤18	≤25	≤25	≤25	≤25	≤18	≤35
72h 250°C (500°F)	DIN 53517	%					≤25						
72h 260°C (482°F)	DIN 53517	%										≤22	
72h 290°C (554°F)	DIN 53517	%										≤27	
72h 316°C (600,8°F)	DIN 53517	%										≤31	
168h 200°C (392°F)	DIN 53517	%										≤22	
168h 275°C (527°F)	DIN 53517	%										≤33	