PTFE		
MATERIALE	**CARATTERISTICHE**	**IMPIEGHI**
Virgin PTFE	Temperature -200/+220°C Hardness sh 50-55 shore D Density 2,14-2,18	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Excellent chemical resistance with low fiction coefficient. Suitable for uses in food industry.
PTFE + glass fiber +MOS2	Temperature -200/+220°C Hardness sh 55-60 shore D Density 2,2-2,3	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Excellent non-stick properties Low static coefficient of friction. Good resistance to deformation.
PTFE +bronze 40%	Temperature -200/+220°C Hardness sh 66-70 shore D Density 3,05-3,12	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Excellent compressive strength, good wear resistance and high thermal conductivity. In application with no lubrication and high speed but not hard surface.
PTFE +bronze 60%	Temperature -200/+220°C Hardness sh 66-70 shore D Density 3,8-3,9	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Excellent wear resistance and compression resistance. Good thermal conductivity.
PTFE +carbon 25%	Temperature -200/+220°C Hardness sh 66-70 shore D Density 2,05-2,11	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Good thermal conductivity, good resistance to deformation. In application with high speed and when fast dissipation of electric charges is needed.
PTFE+graphite 35%	Temperature -200/+220°C Hardness sh 65-68 shore D Density 1,9-2,00	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. Very low coefficient of friction. Good compressive strength and wear resistance. In applications with high speed and medium-hard surface.
PEEK	Temperature -200/+220°C Hardness sh 88 shore D Density 1,3	Material used to produce back-up rings guide rings and composite seals rubber+PTFE. In applications for higher strength and high ductility. Chemically resistant to aggressive environments.